

ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

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2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 01/30/2023		2. CONTRACT NO. (If any) 68HERC21D0006		6. SHIP TO: a. NAME OF CONSIGNEE Standards & Risk Management Div.	
3. ORDER NO. 68HERC23F0057		4. REQUISITION/REFERENCE NO. PR-OW-23-00105			
5. ISSUING OFFICE (Address correspondence to) CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001				b. STREET ADDRESS USEPA Headquarters William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 4607M	
				c. CITY Washington	d. STATE DC
				e. ZIP CODE 20460	
7. TO: JOEL DEMASI				f. SHIP VIA	
a. NAME OF CONTRACTOR Cadmus Group LLC, The					
b. COMPANY NAME				8. TYPE OF ORDER	
c. STREET ADDRESS 100 5TH AVENUE SUITE 100				<input type="checkbox"/> a. PURCHASE REFERENCE YOUR: Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if anv. including delivery as indicated.	
d. CITY WALTHAM				e. STATE MA	f. ZIP CODE 024518727
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE Standards & Risk Management Div.	
11. BUSINESS CLASSIFICATION (Check appropriate box(es)) <input type="checkbox"/> a. SMALL <input checked="" type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB				12. F.O.B. POINT	

13. PLACE OF a. INSPECTION Destination		b. ACCEPTANCE Destination	14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date) 02/29/2024	16. DISCOUNT TERMS
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17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	UEI: WSEZME8NNBA8 TOCOR: Michael Goldberg Max Expire Date: 02/28/2026 Invoice Approver: Michael Goldberg Alt Invoice App: Anne Lausier Continued ...					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)	
	21. MAIL INVOICE TO:							
	a. NAME RTP Finance Center						\$1,094,265.00	
	b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts						\$1,420,903.00	
c. CITY Durham						d. STATE NC	e. ZIP CODE 27711	17(i) GRAND TOTAL

22. UNITED STATES OF

AMERICA BY (Signature)

01/30/2023

23. NAME (Typed)

Keith Pfeffer

TITLE: CONTRACTING/ORDERING OFFICER

ORDER FOR SUPPLIES OR SERVICES
SCHEDULE - CONTINUATION

PAGE NO
2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 01/30/2023	CONTRACT NO. 68HERC21D0006	ORDER NO. 68HERC23F0057
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	Admin Office: CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001 Period of Performance: 03/01/2023 to 02/29/2024 Base Year: Support of LCRI Time-and-Materials line item for severable services with a ceiling value of \$1,420,903.00 Product/Service Code: R499 Accounting Info: 23-24-B-40DP1-000B53-2505-2340SRE003-0 01 BFY: 23 EFY: 24 Fund: B Budget Org: 40DP1 Program (PRC): 000B53 Budget (BOC): 2505 DCN - Line ID: 2340SRE003-001 Funding Flag: Complete Funded: \$179,550.00					
0002	Option Year 1 - Support of LCRI Time-and-Materials line item for severable services with a ceiling value of \$1,019,536.00 (Option Line Item) 12/15/2023 Product/Service Code: R499				1,019,536.00	
0003	Option Year 2 - Support of LCRI Time-and-Materials line item for severable services with a ceiling value of \$74,729.00 (Option Line Item) 12/15/2024 Product/Service Code: R499				74,729.00	

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$1,094,265.00

**PERFORMANCE WORK STATEMENT
CONTRACT 68HERC21D0006
Task Order # 68HERC23F0057**

TITLE: Support for Development of LCRI

PERIOD OF PERFORMANCE:

**Base Period: March 1, 2023 through February 29, 2024
Option Period 1: March 1, 2024 through February 28, 2025
Option Period 2: March 1, 2025 through February 28, 2026**

TASK ORDER CONTRACTING OFFICER'S REPRESENTATIVE (TOCOR):

Name: Michael Goldberg
Office: Office of Water/Office of Ground Water and Drinking Water
Address: U.S. Environmental Protection Agency
Office of Ground Water and Drinking Water
Standards and Risk Management Division/Regulatory Assessment and
Development Branch
1200 Pennsylvania Avenue, NW (MC-4607M)
Washington, DC 20460
Telephone : 202-564-1379
Email: goldberg.michael@epa.gov

ALTERNATE TASK ORDER CONTRACTING OFFICER'S REPRESENTATIVE (ALT-TOCOR):

Name: Anne Lausier
Office: Office of Water/Office of Ground Water and Drinking Water
Address: U.S. Environmental Protection Agency
Office of Ground Water and Drinking Water
Standards and Risk Management Division/Regulatory Assessment and
Development Branch
1200 Pennsylvania Avenue, NW (MC-4304T)
Washington, DC 20460
Telephone: 202-564-0518
Email: lausier.anne@epa.gov

I. BACKGROUND

EPA published the Lead and Copper Rule Revisions (LCRR) on January 15, 2021. As of January 20, 2021, the LCRR is subject to the *Regulatory Freeze Pending Review* memorandum. This action delayed the rule effective date to June 17, 2021 so EPA could take comment on whether EPA should institute a longer delay to review the rule. In June of 2021, EPA plans to promulgate an extension of the effective date to December 16, 2021, giving the Agency time to assess whether the regulatory changes are inconsistent with, or present obstacles to, the policy set forth in Section 1 of the Executive Order (E.O.) 13990, and to consult with stakeholders, including those who have been historically underserved by, or subject to discrimination in, Federal policies and programs prior to the LCRR going into effect. EPA is also planning to promulgate an extension of the compliance date from January 16, 2024, to October 16, 2024.

EPA will hold various virtual public engagement sessions to collect feedback from the public and impacted stakeholders. The Agency will evaluate the issues or suggestions that arise from the sessions and decide whether or not to initiate a new rulemaking process for the LCRR in December.

While the outcome of the engagement sessions is unknown, the Agency expects that another rulemaking process will be initiated in December to revise the LCRR based on public feedback. EPA is unable to predict the scale of such revisions. The effort will include technical and economic analysis of various options as compared to different baselines, such as the previous and/or current LCR requirements.

EPA will also require contractor support developing guidance documents after promulgation of the final rule. Although the updated rule requirements are unknown at this time, it is likely that water systems must be able to create a lead service line (LSL) inventory and lead service line replacement (LSLR) plan by three years after publication of the final rule. To assist with the implementation of these two provisions, EPA will develop and publish a guidance document for each requirement. Guidance will facilitate compliance with the minimum rule requirements before the states assume primacy responsibilities as well as detail best practices to increase the transparency, efficiency, and public health outcomes of these parts of the final rule. The development of the two guidance documents will include virtual and/or in-person consultations with groups both internal and external to the Agency and may also include web-based research. In order to provide water systems with ample time to use the guidance in their own efforts, EPA aims to finalize and publish the two documents approximately one year following promulgation of the final LCRR.

II. TASK

DESCRIPTIONS

Tasks that are designated as “optional” shall only be initiated and completed following receipt of written Technical Direction by the TOCOR to proceed.

Base Effort

Task 1. Task Order Administration

Within ten (10) days of task order award, the contractor shall schedule a conference call with the TOCOR to clarify outstanding questions and confirm the schedule and specific tasks.

The contractor shall provide status updates to the TOCOR by conference call periodically (approximately biweekly or more frequently if necessary) to discuss progress, challenges, and decisions regarding next steps. The contractor shall initiate additional communication with the TOCOR should developments arise that will affect the conduct or schedule of the project.

Quality Assurance is an important component of EPA’s work to assure that environmental information is appropriate for its intended use. Tasks 3-7 will require the contractor to use primary and/or secondary data. Therefore, consistent with the Agency's quality assurance (QA) requirements, the contractor shall develop a project-specific quality assurance project plan (PQAPP) as indicated in Section III below within one month of the task order award. If changes are deemed necessary by TOCOR, a revised PQAPP shall be submitted to the TOCOR within 2 weeks of receiving comments from TOCOR. The project specific quality assurance requirements must be addressed in the monthly progress reports. See Task 2 for more information about the PQAPP.

The contractor shall include in their monthly reports any adjustments to their quality assurance plan necessitated by unanticipated needs for specialized quality assurance measures.

Deliverables: Periodic conference calls with TOCOR, monthly reports, PQAPP developed.

Task 2. Quality Assurance

Quality assurance is an important component of EPA's work to assure the environmental information is appropriate for its intended use. The tasks in this task order require the use of primary and/or secondary data.

(1) Quality Assurance Project Plan (PQAPP) Therefore, consistent with the Agency's quality assurance (QA) requirements, the contractor shall develop a project-specific quality assurance project plan (PQAPP), to assure that sound quality of the data is used for these tasks.

(2) Revised PQAPP. In addition, throughout the course of this task order, if it is determined the PQAPP requires revision, the contractor shall provide necessary changes to the EPA TOCOR.

Deliverables: PQAPP and revised PQAPP, if necessary.

Task 3: Support promulgation of revised LCRI proposal.

See subtasks below.

Subtask 3.1. Assistance with rule analyses and support documents.

The contractor shall conduct research and perform analyses following the direction of the TOCOR as well as create economic and technical support documents for the LCRI proposal. This could include, but is not limited to, updating unit costs and developing chapters and appendices for the economic analysis (excluding national cost estimates, benefits, and the EJ and ICR analyses).

Deliverable: One draft and one final version of the economic analysis. Two drafts and one final version of a technical support document. For planning purposes, Cadmus should expect each document to be approximately 150 pages.

Subtask 3.2. Provide support for virtual information sessions.

Upon receipt of written technical direction, Cadmus shall provide logistical and technical support for two virtual information sessions. EPA anticipates holding these additional information sessions in Spring 2023 to inform the public on how they can provide comment on the proposed rule. Support may involve but is not limited to sending invitation links, hosting webinars, and providing assistance to EPA and external attendees to resolve technical issues that may arise. Professional facilitation is not needed for these sessions. The sessions will not have an in-person option for EPA nor the attendees. When requested, Cadmus will record the webinar and provide a recording of the webinar along with a closed captioning file to EPA for posting to their website. For budgeting purposes, Cadmus assumes there will be two 1-hour webinars that will require closed captioning and translation services. Notetaking will not be needed for these sessions.

Subtask 3.3. Provide support for LCRI proposal comment response, comment coding, and preparation of the response to comment document.

EPA anticipates the following actions that will be undertaken by Cadmus in support of this task.

- Download comments from EPA's docket.
- Develop a tracking sheet with Docket ID numbers and commenter names.
- Review and code letters from the public into discrete topics based on a coding index provided by EPA.
- Format comment letters and attachments to upload into a database. The database may be in Excel, Access, or another format such as one used by EPA in the past for comment response, as designated by EPA.

- Export the coded comments into a Word file by topic for EPA review. This will be the basis of the comment response document.
- Revise coding of any comment if directed by EPA.
- Provide background information that may be used in EPA's responses.
- Although the final comment response document will likely not be due in the base year, Cadmus should anticipate preparing the draft document, pasting in comment response, and doing basic formatting of the draft document.

Cadmus should anticipate for planning purposes that EPA will receive 90,000 public comments, with approximately 25,000 comments derived from a mass mailer that can be consolidated in their categorization and response.

Deliverable: one draft version of the comment response document.

Task 4 (Optional): Conduct research and summarize findings regarding lead service line replacement to support LCRI as well as related, non-regulatory efforts

Cadmus shall conduct research as directed by EPA in areas related to lead service line replacement. For example, research topics could include but are not limited to:

- Methods to identify service line materials
- Rates of service line material investigation
- Methods to replace lead service lines
- Rates of lead service line replacement
- Options for disposal of lead service lines (such as "abandon-in-place" versus recycling or disposal), including applicable local, state, and/or federal regulations, potential environmental and human health impacts from different disposal options including international impacts related to export for recycling, potential uses and the market for recycled lead)

Cadmus shall support this work as it relates to the Lead and Copper Rule Improvements (i.e., analyses, briefing documents, response to comments) as well as other related work that might not be regulatory in nature (i.e., guidance, webinar, other non-regulatory agency activities).

Deliverables: Three draft documents and three final documents, due two weeks after Cadmus receives comments from EPA, unless EPA specifies an alternate deadline. For planning purposes, Cadmus should plan on each document being approximately 25 pages in length. General support for the facilitation of two webinars (i.e., managing invitations, assistance with webinar logistics), each approximately 1.5 hours in length.

Task 5: Update LSL inventory guidance document, finalize small system guidance, finalize fact sheets

The contractor shall finalize changes to the updated full LSL inventory guidance, draft and finalize the small system guidance document derived from the full guidance, and draft and complete fact sheets derived from the full guidance. The final documents shall be 508 compliant. Cadmus should expect to submit to EPA one draft version of the full guidance, small system guidance, and fact sheet, and to revise the draft based on EPA feedback to submit one final version of each document.

Deliverables: The draft and final full guidance, draft and final small system guidance, one draft and one final fact sheet.

Task 6: Update the LCRR Information Collection Request (ICR)

Cadmus shall update the LCRR ICR as directed by EPA to evaluate cost scenarios related to the recommendations in the EPA guidance “Developing and Maintaining Service Line Inventories.” This could include but is not limited to the development of new unit costs and/or updates to existing unit costs, as well as developing assumptions based on data and/or best professional judgement from Cadmus and/or EPA. Cadmus shall also assist, upon direction from EPA, with organizing letters received from the public in response to the federal register notice into smaller comments. For planning purposes, Cadmus should expect 100 letters to be received by the public. Cadmus shall also assist with the organization of these comments by topic. Cadmus shall also prepare a document related to these comments and/or EPA responses to those comments.

Deliverable: Cadmus shall prepare a draft support document related to the public comments and/or EPA responses, followed by a final version of the support document two weeks after receipt of feedback from EPA, unless EPA designates an alternate deadline.

Task 7: Preparation of Issue Papers and Other Briefing Materials

The contractor shall develop brief issue papers and technical analyses related to the LSL inventory or LSLR plan in consultation with and on topics selected by the TOCOR. Upon direction from the EPA TOCOR, the contractor shall collect summary information on the issues and develop background briefing documents of a maximum of 20 pages each.

For work planning purposes, up to 2 such issue papers may be required. The contractor should assume three iterations of each document: 2 drafts and 1 final.

Deliverables: Issue papers and other briefing materials.

Option Year 1

Task 8. Task Order Administration

This is a continuation of Task 1 under the base year. The contractor shall provide status updates to the TOCOR by conference call periodically (approximately biweekly or more frequently if necessary) to discuss progress, challenges, and decisions regarding next steps. The contractor shall initiate additional communication with the TOCOR should developments arise that will affect the conduct or schedule of the project.

Quality Assurance is an important component of EPA’s work to assure that environmental information is appropriate for its intended use. Tasks 3-7 will require the contractor to use primary and/or secondary data. Therefore, consistent with the Agency's quality assurance (QA) requirements, the contractor shall develop a project-specific quality assurance project plan (PQAPP) as indicated in Section III below within one month of the task order award. If changes are deemed necessary by TOCOR, a revised PQAPP shall be submitted to the TOCOR within 2 weeks of receiving comments from TOCOR. The project specific quality assurance requirements must be addressed in the monthly progress reports. See Task 2 for more information about the PQAPP.

The contractor shall include in their monthly reports any adjustments to their quality assurance plan necessitated by unanticipated needs for specialized quality assurance measures.

Deliverables: Periodic conference calls with TOCOR, monthly reports, PQAPP developed.

Task 9. Quality Assurance

This is a continuation of Task 2 under the Base Year. Quality assurance is an important component of EPA's work to assure the environmental information is appropriate for its intended use. The tasks in this task order require the use of primary and/or secondary data.

(3) Quality Assurance Project Plan (PQAPP) Therefore, consistent with the Agency's quality assurance (QA) requirements, the contractor shall develop a project-specific quality assurance project plan (PQAPP), to assure that sound quality of the data is used for these tasks.

(4) Revised PQAPP. In addition, throughout the course of this task order, if it is determined the PQAPP requires revision, the contractor shall provide necessary changes to the EPA TOCOR.

Deliverables: PQAPP and revised PQAPP, if necessary.

Task 10: Support promulgation of revised LCRI final rule.

Subtask 10.1. Assistance with rule analyses and support documents.

The contractor shall conduct research and perform analyses following the direction of the TOCOR as well as create economic and technical support documents for the LCRI final rule. This could include, but is not limited to, updating unit costs and developing chapters and appendices for the economic analysis (excluding national cost estimates, benefits, and the EJ and ICR analyses). Activities could also include incorporating new data from public comments into the analyses.

Deliverable: one draft and one version of the final economic analysis, draft and final versions of two technical support documents. For planning purposes, Cadmus should expect each document to be approximately 150 pages.

Subtask 10.2. Provide support for LCRI proposal comment response, comment coding, and preparation of the response to comment document.

EPA anticipates the following actions that will be undertaken by Cadmus in support of this task.

- Download comments from EPA's docket.
- Develop a tracking sheet with Docket ID numbers and commenter names.
- Review and code letters from the public into discrete topics based on a coding index provided by EPA.
- Format comment letters and attachments to upload into a database. The database may be in Excel, Access, or another format such as one used by EPA in the past for comment response, as designated by EPA.
- Export the coded comments into a Word file by topic for EPA review. This will be the basis of the comment response document.
- Revise coding of any comment if directed by EPA.
- Provide background information that may be used in EPA's responses.
- Preparing a draft and final comment response document, which may include but is not limited to pasting in comments and responses as well as doing basic formatting of the draft document.

Cadmus should anticipate for planning purposes that EPA will receive 90,000 public comments, with approximately 25,000 comments derived from a mass mailer that can be

Deliverable: One draft and one version of the comment response document.

Task 11 (Optional): Conduct research and summarize findings regarding lead service line replacement to support LCRI as well as related, non-regulatory efforts

Cadmus shall conduct research as directed by EPA in areas related to lead service line replacement. For example, research topics could include but are not limited to:

- Methods to identify service line materials
- Rates of service line material investigation
- Methods to replace lead service lines
- Rates of lead service line replacement
- Options for disposal of lead service lines (such as “abandon-in-place” versus recycling or disposal), including applicable local, state, and/or federal regulations, potential environmental and human health impacts from different disposal options including international impacts related to export for recycling, potential uses and the market for recycled lead)

Cadmus shall support this work as it relates to the Lead and Copper Rule Improvements (i.e., analyses, briefing documents, response to comments) as well as other related work that might not be regulatory in nature (i.e., guidance, webinar, other non-regulatory agency activities).

Deliverables: Three draft documents and three final documents, due two weeks after Cadmus receives comments from EPA, unless EPA specifies an alternate deadline. For planning purposes, Cadmus should plan on each document being approximately 25 pages in length. General support for the facilitation of two webinars (i.e., managing invitations, assistance with webinar logistics), each approximately 1.5 hours in length.

Task 12: Preparation of Issue Papers and Other Briefing Materials

The contractor shall develop brief issue papers and technical analyses related to the LSL inventory or LSLR plan in consultation with and on topics selected by the TOCOR. Upon direction from the EPA TOCOR, the contractor shall collect summary information on the issues and develop background briefing documents of a maximum of 20 pages each.

For work planning purposes, up to 2 such issue papers may be required. The contractor should assume three iterations of each document: 2 drafts and 1 final.

Deliverables: Issue papers and other briefing materials.

Option Year 2

Task 13. Task Order Administration

This is a continuation of Task 1 from the base year and Task 8 in option year 1. The contractor shall provide status updates to the TOCOR by conference call periodically (approximately biweekly or more frequently if necessary) to discuss progress, challenges, and decisions regarding next steps. The contractor shall initiate additional communication with the TOCOR should developments arise that will affect the conduct or schedule of the project.

Quality Assurance is an important component of EPA's work to assure that environmental information is appropriate for its intended use. Tasks 3-7 will require the contractor to use primary and/or secondary data. Therefore, consistent with the Agency's quality assurance (QA) requirements, the contractor shall develop a project-specific quality assurance project plan (PQAPP) as indicated in Section III below within one month of the task order award. If changes are deemed necessary by TOCOR, a revised PQAPP shall be submitted to the TOCOR within 2 weeks of receiving comments from TOCOR. The project specific quality assurance requirements must be addressed in the monthly progress reports. See Task 2 for more information about the PQAPP.

The contractor shall include in their monthly reports any adjustments to their quality assurance plan necessitated by unanticipated needs for specialized quality assurance measures.

Deliverables: Periodic conference calls with TOCOR, monthly reports, PQAPP developed.

Task 14. Quality Assurance

This is a continuation of Task 2 from the base year and Task 9 in option year 1. Quality assurance is an important component of EPA's work to assure the environmental information is appropriate for its intended use. The tasks in this task order require the use of primary and/or secondary data.

(5) Quality Assurance Project Plan (PQAPP) Therefore, consistent with the Agency's quality assurance (QA) requirements, the contractor shall develop a project-specific quality assurance project plan (PQAPP), to assure that sound quality of the data is used for these tasks.

(6) Revised PQAPP. In addition, throughout the course of this task order, if it is determined the PQAPP requires revision, the contractor shall provide necessary changes to the EPA TOCOR.

Deliverables: PQAPP and revised PQAPP, if necessary.

Task 15: Preparation of Issue Papers and Other Briefing Materials

The contractor shall develop brief issue papers and technical analyses related to the LSL inventory or LSLR plan in consultation with and on topics selected by the TOCOR. Upon direction from the EPA TOCOR, the contractor shall collect summary information on the issues and develop background briefing documents of a maximum of 20 pages each.

For work planning purposes, up to 2 such issue papers may be required. The contractor should assume three iterations of each document: 2 drafts and 1 final.

Deliverables: Issue papers and other briefing materials.

III. GENERAL REQUIREMENTS OF THE TASK ORDER

Work conducted under this Task Order shall not duplicate work conducted under any other Task Order or Work Assignment under any other contract.

Confidential Business Information (CBI): For this Task Order, the contractor shall not be accessing any Confidential Business Information (CBI).

Limitation of Contractor Activities: The contractor shall submit drafts of all deliverables to the TOCOR for review prior to submission of the final product. These drafts will clearly specify the methods, procedures, considerations, assumptions, relevant citations, data sources and data that support any conclusions and recommendations. The contractor shall incorporate all TOCOR comments into all final deliverables, unless otherwise agreed upon by the TOCOR. The contractor shall adhere to all applicable EPA management control procedures as implemented by the EPA Contracting Officer (CO), Project Officer (PO), and TOCOR.

Identification as Contracting Staff: To avoid the perception that contractor personnel are EPA employees, contractor personnel shall always identify themselves as contractor employees by name and organization and physically display that information through an identification badge. Contractor personnel are prohibited from acting as the Agency's official representative. The contractor shall refer any questions relating to the interpretation of EPA policy, guidance, or regulation to the CO, CL-COR and/or TOCOR.

Travel: Under this Performance Work Statement (PWS), the contractor may be required to conduct travel. The contractor may anticipate up to eight (8) contractor trips directly related to the scope of this TO.

Deliverable Formatting: All memos, draft comments, summaries and responses, are to be provided in electronic form using Word and/or Excel/Access, ArcView, or, in special cases another software program agreed to by the TOCOR.

IV. SCHEDULE OF DELIVERABLES

The contractor shall send EPA all deliverables in accordance with the terms of the contract.

The contractor shall provide a work plan within the schedule provided in the basic contract and set out below.

All reports shall be provided first in draft form. Upon receipt of comment from the EPA TOCOR, the contractor shall revise the deliverable and distribute final copies as stated in the Performance Work Statement.

Task	Deliverable	Due to EPA
Task 1. Task Order Administration		
	Bi-Weekly and Weekly Calls (during periods of intense activity)	Within (10) days of the task order award, the contractor will schedule a conference call with the TOCOR, and these calls will happen bi-weekly at a minimum (weekly when the TO is very active).
	Monthly progress and financial reports	Per contract requirement
Task 2. Quality Assurance		
	Draft PQAPP	Within one month of TO award
	Revised PQAPP (if needed)	Within 2 weeks of receiving comments from TOCOR
Task 3.1. Assistance with rule analyses and support documents.		
	Draft economic analysis	As specified by TOCOR
	Final economic analysis	Due two weeks after Cadmus receives comments from TOCOR, unless TOCOR specifies an alternate deadline
	Two draft technical support documents	As specified by TOCOR
	One final technical support document	Due two weeks after Cadmus receives comments from TOCOR, unless TOCOR specifies an alternate deadline
Task 3.3. Assistance with rule analyses and support documents.		
	One draft version of the comment response document	As specified by TOCOR
Task 4 (Optional): Conduct research and summarize findings regarding lead service line replacement to support LCRI as well as related, non-regulatory efforts		
	Optional: Three draft documents	As specified by TOCOR
	Optional: Three final documents.	Due two weeks after Cadmus receives comments from TOCOR, unless TOCOR specifies an alternate deadline
	General support for the facilitation of two webinars (i.e., managing invitations, assistance with webinar logistics), each approximately 1.5 hours in length.	As specified by TOCOR

Task 5: Update LSL inventory guidance document, finalize small system guidance, finalize fact sheets		
	Draft full guidance document	As specified by TOCOR
	Final full guidance document	Due two weeks after Cadmus receives comments from TOCOR, unless TOCOR specifies an alternate deadline
	Draft small systems guidance	As specified by TOCOR
	Final small systems guidance	Due two weeks after Cadmus receives comments from TOCOR, unless TOCOR specifies an alternate deadline
	One draft fact sheet	As specified by TOCOR
	One final fact sheet	Due two weeks after Cadmus receives comments from TOCOR, unless TOCOR specifies an alternate deadline
Task 6: Update the LCRR Information Collection Request (ICR)		
	Draft support document	As specified by TOCOR
	Final support document	Due two weeks after Cadmus receives comments from TOCOR, unless TOCOR specifies an alternate deadline
Task 7: Preparation of Issue Papers and Other Briefing Materials		
	Two draft documents for two distinct issue papers	As specified by TOCOR
	A final draft document for two distinct issue papers	Due two weeks after Cadmus receives comments from TOCOR, unless TOCOR specifies an alternate deadline
Task 8. Task Order Administration		
	Bi-Weekly and Weekly Calls (during periods of intense activity)	Within (10) days of the task order award, the contractor will schedule a conference call with the TOCOR, and these calls will happen bi-weekly at a minimum (weekly when the TO is very active).
	Monthly progress and financial reports	Per contract requirement
Task 9. Quality Assurance		
	Draft PQAPP	Within one month of new option

	Revised PQAPP (if needed)	Within 2 weeks of receiving comments from TOCOR
Subtask 10.1. Assistance with rule analyses and support documents.		
	Draft economic analysis	As specified by TOCOR
	Final economic analysis	Due two weeks after Cadmus receives comments from TOCOR, unless TOCOR specifies an alternate deadline
	Two draft technical support documents	As specified by TOCOR
	One final technical support document	Due two weeks after Cadmus receives comments from TOCOR, unless TOCOR specifies an alternate deadline
Subtask 10.2. Provide support for LCRI proposal comment response, comment coding, and preparation of the response to comment document.		
	One draft version of the comment response document	As specified by TOCOR
	One final version of the comment response document	Due two weeks after Cadmus receives comments from TOCOR, unless TOCOR specifies an alternate deadline
Task 11 (Optional): Conduct research and summarize findings regarding lead service line replacement to support LCRI as well as related, non-regulatory efforts		
	Three draft LCRR technical support documents, approximately 25 pages in length	As specified by TOCOR
	Three final LCRR technical support documents, approximately 25 pages in length	Due two weeks after Cadmus receives comments from EPA, unless EPA specifies an alternate deadline.
	General support for the facilitation of two webinars (i.e., managing invitations, assistance with webinar logistics), each approximately 1.5 hours in length.	As specified by TOCOR.
Task 12: Preparation of Issue Papers and Other Briefing Materials		
	Two draft documents for two distinct issue papers	As specified by TOCOR
	A final draft document for two distinct issue papers	Due two weeks after Cadmus receives comments from TOCOR, unless TOCOR specifies an alternate deadline

Task 13. Task Order Administration		
	Bi-Weekly and Weekly Calls (during periods of intense activity)	Within (10) days of the task order award, the contractor will schedule a conference call with the TOCOR, and these calls will happen bi-weekly at a minimum (weekly when the TO is very active).
	Monthly progress and financial reports	Per contract requirement
Task 14. Quality Assurance		
	Draft PQAPP	Within one month of TO award
	Revised PQAPP (if needed)	Within 2 weeks of receiving comments from TOCOR
Task 15: Preparation of Issue Papers and Other Briefing Materials		
	Two draft documents for two distinct issue papers	As specified by TOCOR
	A final draft document for two distinct issue papers	Due two weeks after Cadmus receives comments from TOCOR, unless TOCOR specifies an alternate deadline

V. PERFORMANCE STANDARDS AND MEASURES

The following standards will be used to measure performance.

1. Quality of Products: All tasks are to be of superior quality. The quality of outputs will be measured against similar analyses and work already performed by EPA.
2. Schedule: All tasks are to be completed on, or ahead of schedule as measured against the acceptance criteria.
3. Ingenuity and Resourcefulness: New issues are addressed using innovative analyses. Ingenuity and resourcefulness will be measured by the ability to use innovative analyses to address new issues not previously identified.
4. Quality assurance: Adhere to both BPA level QAPP and PQAPP.

VI. STATUS NOTIFICATION

The contractor shall notify the EPA Contracting Officer and program office contact when 75% of the funds provided have been expended or when funding for less than six (6) weeks work remains. The Contractor shall also notify the TOCOR when 75% of the funds have been used on any single case assignment. Notifications shall be in writing.

SECTION B - Supplies or Services/Prices

B-1 Local Clauses EPA-B-32-103 LIMITATION OF GOVERNMENT'S OBLIGATION

(a) Severable services may be incrementally funded. Non-severable services shall not be incrementally funded. Contract line item 0001 is severable and may be incrementally funded. For this item, the sum of **\$179,550.00** of the total price is presently available for payment and allotted to this item.

(b) For items identified in paragraph (a) of this clause, the Contractor agrees to perform up to the point at which the total amount payable by the Government, including reimbursement in the event of termination of those items for the Government's convenience, approximates the total amount currently allotted for those items to the contract. The Contractor shall not continue work on those items beyond that point. Subject to the clause entitled "Termination for Convenience of the Government," the Government will not be obligated, under any circumstances, to reimburse the Contractor in excess of the amount payable by the Government in the event of the termination of applicable contract line items for convenience including costs, profit, and estimated termination costs for those line items.

(c) Notwithstanding the dates specified in the allotment schedule in paragraph (h) of this clause, the Contractor will notify the Contracting Officer, in writing, at least 10 days prior to the date when, in the Contractor's best judgment, the work will reach the point at which the total amount payable by the Government, including any cost for termination for convenience, will approximate 85 percent of the total amount currently allotted to the contract for performance of the applicable items. The notification will state (1) the estimated date when that point will be reached and (2) an estimate of additional funding, if any, needed to continue performance of the applicable line items up to the next scheduled date for the allotment of funds identified in paragraph (a) of this clause, or to a substitute date as determined by the Government pursuant to paragraph (d) of this clause. If, after such notification, additional funds are not allotted by the date identified in the Contractor's notification, or by an agreed substitute date, the Contracting Officer will terminate any item(s) for which additional funds have not been allotted, pursuant to the clause entitled "Termination for Convenience of the Government."

(d) The parties contemplate that, subject to the availability of appropriations, the Government may allot additional funds for continued performance of the contract line items identified in paragraph (a) of this clause and will determine the estimated period of contract performance which will be covered by the funds. If additional funds are allotted, the Contracting Officer will notify the Contractor in writing. The Contractor shall not resume performance of the contract line items identified in paragraph (a) until the written notice is received. The provisions of paragraphs (b) through (d) of this clause will apply in like manner to the additional allotted funds and to the new estimated period of contract performance. The contract will be modified accordingly.

(e) The Government may, at any time prior to termination, allot additional funds for the performance of the contract line items identified in paragraph (a) of this clause.

(f) The termination provisions of this clause do not limit the rights of the Government under the clause entitled "Default". The provisions of this clause are limited to the work and allotment of funds for the contract line items set forth in paragraph (a) of this clause. This clause no longer applies once the contract is fully funded.

(g) Nothing in this clause affects the right of the Government to otherwise terminate this contract pursuant to the contract clause entitled "Termination for Convenience of the Government".

(h) The parties contemplate that the Government may obligate funds to this contract in accordance with the following schedule:

RECAPITULATION OF FUNDING TO DATE
CONTRACT NO. 68HERC21D0006
TASK ORDER NO. 68HERC23F0057

Base Period of Performance – 03/01/2023 through 02/29/2024

FUNDING ACTION	FUNDING
Total Line 0001 Amount	\$1,420,903.00
Initial Funding	\$179,550.00
Balance Unfunded	\$1,241,353.00

SECTION F - Deliveries or Performance

F-1 Local Clauses EPA-F-12-101 PERIOD OF PERFORMANCE

The base period of performance of this Task Order period shall be from 03/01/2023 through 02/29/2024, inclusive of all required reports.

The period of performance of Option Period 1, if exercised, shall be from 03/01/2024 through 02/28/2025, inclusive of all required reports.

The period of performance of Option Period 2, if exercised, shall be from 03/01/2025 through 02/28/2026 inclusive of all required reports.

SECTION G - Contract Administration Data

G-1 Local Clauses EPA-G-42-101 CONTRACT ADMINISTRATION REPRESENTATIVES

Task Order-Level Contracting Officers Representatives (CORs)/Project Officers for this contract are as follows:

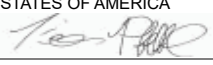
Michael Goldberg, 202-564-1379, email: Goldberg.michael@epa.gov (TOCOR)

Anne Lausier, 202-564-0518, email: lausier.anne@epa.gov (Alternate TOCOR)

Contracting Officials responsible for administering this contract are as follows:

Keith Pfeffer, 513-487-2034, pfeffer.keith@epa.gov (Contracting Officer)

John Krauss, 513-487-2148, krauss.john@epa.gov (Contract Specialist)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE		PAGE OF PAGES		
					12		
2. AMENDMENT/MODIFICATION NO.		3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
P00001		See Block 16C		PR-OW-23-00469			
6. ISSUED BY		CODE		7. ADMINISTERED BY (If other than Item 6)		CODE	
CAD							
US Environmental Protection Agency							
26 West Martin Luther King Drive							
Mail Code: W136							
Cincinnati OH 45268-0001							
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				(x)		9A. AMENDMENT OF SOLICITATION NO.	
Cadmus Group LLC, The							
Attn: JOEL DEMASI						9B. DATED (SEE ITEM 11)	
100 5TH AVENUE							
SUITE 100							
WALTHAM MA 024518727				x		10A. MODIFICATION OF CONTRACT/ORDER NO.	
						68HERC21D0006	
						68HERC23F0057	
						10B. DATED (SEE ITEM 13)	
						01/30/2023	
CODE		WSEZME8NNBA8		FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended.							
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)							
See Schedule							
Net Increase: \$179,550.00							
13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
CHECK ONE							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).							
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
D. OTHER (Specify type of modification and authority)							
X B-1 Local Clauses EPA-B-32-103 LIMITATION OF GOVERNMENT'S OBLIGATION							
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
UEI: WSEZME8NNBA8							
TOCOR: Michael Goldberg Max Expire Date: 02/28/2026 Invoice Approver: Michael Goldberg Alt							
Invoice App: Anne Lausier							
The purpose of this modification is to add incremental funding in the total Time-and-Materials amount of \$179,550.00 to Line Item 0001 (Base Period).							
See attached Funding Recap Sheet.							
LIST OF CHANGES:							
Obligated Amount for this Modification: \$179,550.00							
Continued ...							
Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				Keith Pfeffer			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)				 (Signature of Contracting Officer)		03/14/2023	
Previous edition unusable				STANDARD FORM 30 (REV. 11/2016)		Prescribed by GSA FAR (48 CFR) 53.243	

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC21D0006/68HERC23F0057/P00001	PAGE	OF
		2	2

NAME OF OFFEROR OR CONTRACTOR

Cadmus Group LLC, The

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Incremental Funded Amount changed: from \$179,550.00 to \$359,100.00</p> <p>CHANGES FOR LINE ITEM NUMBER: 1 Obligated Amount for this Modification: \$179,550.00 Incremental Funded Amount changed from \$179,550.00 to \$359,100.00</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 23-24-B-40DP1-000B53-2505-2340SRE021-001 Beginning FiscalYear 23 Ending Fiscal Year 24 Fund (Appropriation) B Budget Organization 40DP1 Program (PRC) 000B53 Budget (BOC) 2505 Job # (Site/Project) Cost Organization DCN-LineID 2340SRE021-001 Quantity: 0 Amount: \$179,550.00</p> <p>Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 03/01/2023 to 02/29/2024</p>				

SECTION B - Supplies or Services/Prices

B-1 Local Clauses EPA-B-32-103 LIMITATION OF GOVERNMENT'S OBLIGATION

(a) Severable services may be incrementally funded. Non-severable services shall not be incrementally funded. Contract line item 0001 is severable and may be incrementally funded. For this item, the sum of **\$359,100.00** of the total price is presently available for payment and allotted to this item.

(b) For items identified in paragraph (a) of this clause, the Contractor agrees to perform up to the point at which the total amount payable by the Government, including reimbursement in the event of termination of those items for the Government's convenience, approximates the total amount currently allotted for those items to the contract. The Contractor shall not continue work on those items beyond that point. Subject to the clause entitled "Termination for Convenience of the Government," the Government will not be obligated, under any circumstances, to reimburse the Contractor in excess of the amount payable by the Government in the event of the termination of applicable contract line items for convenience including costs, profit, and estimated termination costs for those line items.

(c) Notwithstanding the dates specified in the allotment schedule in paragraph (h) of this clause, the Contractor will notify the Contracting Officer, in writing, at least 10 days prior to the date when, in the Contractor's best judgment, the work will reach the point at which the total amount payable by the Government, including any cost for termination for convenience, will approximate 85 percent of the total amount currently allotted to the contract for performance of the applicable items. The notification will state (1) the estimated date when that point will be reached and (2) an estimate of additional funding, if any, needed to continue performance of the applicable line items up to the next scheduled date for the allotment of funds identified in paragraph (a) of this clause, or to a substitute date as determined by the Government pursuant to paragraph (d) of this clause. If, after such notification, additional funds are not allotted by the date identified in the Contractor's notification, or by an agreed substitute date, the Contracting Officer will terminate any item(s) for which additional funds have not been allotted, pursuant to the clause entitled "Termination for Convenience of the Government."

(d) The parties contemplate that, subject to the availability of appropriations, the Government may allot additional funds for continued performance of the contract line items identified in paragraph (a) of this clause and will determine the estimated period of contract performance which will be covered by the funds. If additional funds are allotted, the Contracting Officer will notify the Contractor in writing. The Contractor shall not resume performance of the contract line items identified in paragraph (a) until the written notice is received. The provisions of paragraphs (b) through (d) of this clause will apply in like manner to the additional allotted funds and to the new estimated period of contract performance. The contract will be modified accordingly.

(e) The Government may, at any time prior to termination, allot additional funds for the performance of the contract line items identified in paragraph (a) of this clause.

(f) The termination provisions of this clause do not limit the rights of the Government under the clause entitled "Default". The provisions of this clause are limited to the work and allotment of funds for the contract line items set forth in paragraph (a) of this clause. This clause no longer applies once the contract is fully funded.

(g) Nothing in this clause affects the right of the Government to otherwise terminate this contract pursuant to the contract clause entitled "Termination for Convenience of the Government".

(h) The parties contemplate that the Government may obligate funds to this contract in accordance with the following schedule:

RECAPITULATION OF FUNDING TO DATE
CONTRACT NO. 68HERC21D0006
TASK ORDER NO. 68HERC23F0057

Base Period of Performance – 03/01/2023 through 02/29/2024

FUNDING ACTION	FUNDING
Total Line 0001 Amount	\$1,420,903.00
Initial Funding	\$179,550.00
Incremental Funding (P00001)	\$179,550.00
Balance Unfunded	\$1,061,803.00

SECTION F - Deliveries or Performance

F-1 Local Clauses EPA-F-12-101 PERIOD OF PERFORMANCE

The base period of performance of this Task Order period shall be from 03/01/2023 through 02/29/2024, inclusive of all required reports.

The period of performance of Option Period 1, if exercised, shall be from 03/01/2024 through 02/28/2025, inclusive of all required reports.

The period of performance of Option Period 2, if exercised, shall be from 03/01/2025 through 02/28/2026 inclusive of all required reports.

SECTION G - Contract Administration Data

G-1 Local Clauses EPA-G-42-101 CONTRACT ADMINISTRATION REPRESENTATIVES

Task Order-Level Contracting Officers Representatives (CORs)/Project Officers for this contract are as follows:

Michael Goldberg, 202-564-1379, email: Goldberg.michael@epa.gov (TOCOR)

Anne Lausier, 202-564-0518, email: lausier.anne@epa.gov (Alternate TOCOR)

Contracting Officials responsible for administering this contract are as follows:

68HERC23F0057

Keith Pfeffer, 513-487-2034, pfeffer.keith@epa.gov

(Contracting Officer)

John Krauss, 513-487-2148, krauss.john@epa.gov

(Contract Specialist)

ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

1

15

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 01/10/2023		2. CONTRACT NO. (If any) 68HERC21D0006		6. SHIP TO: a. NAME OF CONSIGNEE Multiple Destinations	
3. ORDER NO. 68HERC23F0059		4. REQUISITION/REFERENCE NO. PR-OW-23-00127			
5. ISSUING OFFICE (Address correspondence to) CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001				b. STREET ADDRESS	
				c. CITY	e. ZIP CODE
7. TO: JOEL DEMASI				f. SHIP VIA	
a. NAME OF CONTRACTOR Cadmus Group LLC, The				8. TYPE OF ORDER	
b. COMPANY NAME				<input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY REFERENCE YOUR: Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
c. STREET ADDRESS 100 5TH AVENUE SUITE 100				Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
d. CITY WALTHAM		e. STATE MA	f. ZIP CODE 024518727		
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE Standards & Risk Management Div.	
11. BUSINESS CLASSIFICATION (Check appropriate box(es))					
<input type="checkbox"/> a. SMALL <input checked="" type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB					
12. F.O.B. POINT					
13. PLACE OF		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date) Multiple	
a. INSPECTION Destination	b. ACCEPTANCE Destination			16. DISCOUNT TERMS	

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	UEI: WSEZME8NNBA8 TOCOR: Katherine Foreman Max Expire Date: 02/28/2025 Invoice Approver: Katherine Foreman Alt Invoice App: Ashley Greene Continued ...					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
	21. MAIL INVOICE TO:						
	a. NAME RTP Finance Center						\$42,130.00
	b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts						\$69,762.00
c. CITY Durham			d. STATE NC	e. ZIP CODE 27711		17(i) GRAND TOTAL	

22. UNITED STATES OF AMERICA BY (Signature) 01/10/2023

23. NAME (Typed)
Keith Pfeffer
TITLE: CONTRACTING/ORDERING OFFICER

ORDER FOR SUPPLIES OR SERVICES

PAGE NO

SCHEDULE - CONTINUATION

2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER		CONTRACT NO.			ORDER NO.	
01/10/2023		68HERC21D0006			68HERC23F0059	
ITEM NO.	SUPPLIES/SERVICES	QUANTITY ORDERED	UNIT	UNIT PRICE	AMOUNT	QUANTITY ACCEPTED
(a)	(b)	(c)	(d)	(e)	(f)	(g)
0001	Admin Office: CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001 Period of Performance: 03/01/2023 to 02/28/2025 Base Period of Performance Time-and-Materials line item for severable services Product/Service Code: R425 Delivery: 02/29/2024 Delivery Location Code: OW/OGWDW/SRMD Standards & Risk Management Div. USEPA Headquarters William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 4607M Washington DC 20460 USA Amount: \$69,762.00 Accounting Info: 23-24-B-40DQ3-000B53-2505-2340SRE004-0 01 BFY: 23 EFY: 24 Fund: B Budget Org: 40DQ3 Program (PRC): 000B53 Budget (BOC): 2505 DCN - Line ID: 2340SRE004-001 Funding Flag: Complete Funded: \$25,000.00					
0002	Option Period 1 Time-and-Materials line item for severable services (UNEXERCISED) (Option Line Item) 12/15/2023 Product/Service Code: R425 Delivery: 02/28/2025 Delivery Location Code: CAD CAD US Environmental Protection Agency 26 West Martin Luther King Drive Continued ...				42,130.00	
TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))					\$42,130.00	

ORDER FOR SUPPLIES OR SERVICES
SCHEDULE - CONTINUATION

PAGE NO
3

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER	CONTRACT NO.	ORDER NO.
01/10/2023	68HERC21D0006	68HERC23F0059

ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	Mail Code: W136 Cincinnati OH 45268-0001 USA Amount: \$42,130.00					

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))



\$0.00

PERFORMANCE WORK STATEMENT
Contract 68HERC21D0006
Task Order: 68HERC23F0059

TITLE: Harmful Algal Bloom Activities in Drinking Water II

PERIOD OF PERFORMANCE:

Base Period – Task Order: March 1, 2023 to February 29, 2024

Option Year 1: March 1, 2024 to February 28, 2025

Task Order Contracting Officer's Representative (TOCOR):

Name: Katherine Foreman
Office: OW/OGWDW
Standards and Risk Management Division
Address: US EPA, 1200 Pennsylvania Ave, NW (4607M)
Washington, DC 20460
Location: 2227B
Telephone #: 202-564-3403
Email: foreman.katherine@epa.gov

Alternate Task Order Contracting Officer's Representative and Technical Expert (ALT-TOCOR):

Name: Ashley Greene
Office: OW/OGWDW
Standards and Risk Management Division
Address: US EPA, 1200 Pennsylvania Ave, NW (4607M)
Washington, DC 20460
Location: 2209Q
Telephone #: 202-566-1738
Email: greene.ashley@epa.gov

I. BACKGROUND AND PURPOSE

Cyanobacteria occur naturally in marine and freshwater ecosystems. Under certain conditions these cyanobacteria can rapidly grow producing harmful algal blooms (HABs). Some cyanobacteria can produce cyanotoxins that can pose a risk to human and animal health. There are currently no U.S. federal guidelines, water quality criteria, standards or regulations for cyanobacteria or cyanotoxins in drinking water under the Safe Drinking Water Act.

On June 17, 2015, EPA published two health advisories (HAs) in drinking water for the cyanotoxins microcystins and cylindrospermopsin. The HAs provide states, drinking water utilities and the public with information on the health effects of microcystins and cylindrospermopsin, analytical methods for testing these cyanotoxins in water samples, and treatment approaches that effectively remove cyanotoxins in drinking water.

In conjunction with the health advisories, EPA released “Recommendations for Public Water Systems to Manage Cyanotoxins in Drinking Water”, which was developed to help states and utilities as they consider whether and how to manage cyanotoxins in their drinking water supplies. The document provides recommendations for helping public water systems (PWSs) manage the risks from cyanotoxins to their drinking water, including a framework PWSs can consider when planning their cyanotoxin risk management efforts.

On August 7, 2015, Public Law 114-45, titled the Drinking Water Protection Act, amended the Safe Drinking Water Act by adding Section 1459, Algal Toxin Risk Assessment and Management. Section 1459 directs the EPA to assess and manage algal toxin risk in drinking water through strategic planning, information coordination, and use of science. In November 2015, EPA submitted a strategic plan called “Algal Toxin Risk Assessment and Management Strategic Plan for Drinking Water” to Congress which includes, among other things, specific steps and timelines for evaluating human health risk from algal toxins and the identification of algal toxins of human health concern.

EPA executed parts of its strategic plan by recently developing cyanotoxin analytical methods, listing cyanotoxins on the fourth Contaminant Candidate List, monitoring cyanotoxins as part of the fourth Unregulated Contaminant Monitoring Rule and researching drinking water treatment optimization. EPA also recently released multiple tools for PWSs and the public with the aim to prevent and mitigate risks from cyanotoxins in drinking water including: The “Cyanotoxin Management Plan Template and Example Plans” to assist public water systems in developing their own cyanotoxin management plan based on the recommendations document; the “Water Treatment Optimization for Cyanotoxins document” to assist public water systems in optimizing their treatment to prevent cyanotoxins from contaminated finished drinking water; the Drinking Water Cyanotoxin Risk Communication Toolbox to help public water systems communicate the risks to public health from cyanotoxins; and a video summarizing all of the of tools.

Additionally, EPA recently conducted the Six-Year Review of drinking water contaminants to determine which are candidates for revision to ensure public health protection. As a result of that review, among other results, the Surface Water Treatment Rule (SWTR) and Stage 1 and Stage 2 Disinfectants and Disinfection Byproducts Rules (DBP rules) were determined to be candidates for revision.

Under this task order the contractor shall support EPA in continuing progress toward the goals

outlined in the algal toxin strategic plan by supporting the scientific understanding of the blooms and their toxins and supporting PWSs, states, and tribes manage the risks from harmful algal blooms and cyanotoxins to drinking water. Additionally, the contractor shall support EPA in summarizing data and information to help support the upcoming Regulatory Determination cycle and execute HAB-related webinars and workshops. In addition, the contractor shall support EPA in continuing to make progress on gathering more information and performing data analysis on approaches to enhance public health protection through holistic drinking water policy opportunities, including aspects such as source water protection and source to tap approaches.

II. TASKS

The tasks below provide the contractor with a description of the expected deliverables and time frames.

Task 1. Monthly progress reports – Base period and Option year 1

In accordance with contract Attachment 3 – Reports of Work, the Contractor shall provide electronic copies of the monthly progress and financial reports to the Contracting Officer, EPA Contract Level COR (CLCOR) (previously titled Project Officer (PO)) and TOCOR. Each progress report shall describe the technical work and expenditures for the same time period as the corresponding invoice. The reports shall list by task the amount of work completed and include a table of hours by personnel for each task. The reports also shall identify any problems or difficulties, lessons learned, Quality Assurance (QA)/Quality Control (QC) activities, and next steps.

The Contractor shall immediately notify the EPA TOCOR by telephone of any problems that may impede performance, impact QA-related activities, and any corrective actions needed to solve the problems. The Contractor shall also include this in the Monthly Technical and Cost Progress Reports.

Deliverables and schedule under Task 1

Task	Deliverable	Due
1	Progress and financial reports	Monthly
	Calls with EPA	Bi-weekly, including weekly calls during periods of intense activity

Task 2. Quality assurance/quality control – Base period and option year 1

Quality assurance (QA) and quality control (QC) are important components of EPA's work to assure that minimum quality standards for the use intended are attained. This TO involves the use of existing data and requires the Contractor to update the Project Quality Assurance Project Plan (PQAPP), prepared for this contract (68HERC21D0006), with a Supplemental Quality

Assurance Project Plan (SQAPP), that addresses data sources and methods for using the data that are specific to this TO. The Contractor shall follow all procedures and requirements set forth for the SQAPP update to the PQAPP, as specified below. The Contractor shall include a version (revision) history page that summarizes changes made. The Contractor shall also provide EPA with copies of any modified SOPs or checklists. The Contractor shall update the above mentioned PQAPP for secondary (existing) data handling and analysis. No collection of field samples will be collected under this TO. QAPPs are required under the Agency's Quality Assurance Policy CIO-2105, formerly EPA Order 5360.1 A2 (May 2000), and implementing guidance CIO-2105-P-01-0 (May 2000). All projects that involve the generation, collection, analysis, and use of environmental data **must have an approved QAPP in place prior to the commencement of work.**

- **Under no circumstances shall work that involves the generation, collection, evaluation, analysis, or use of environmental data be performed until the Contractor receives written notification from the EPA TOCOR that EPA has approved the Contractor's updated PQAPP.**
- Any non-sampling/non-analytical work that involves the generation, collection, evaluation, analysis, or use of environmental data that is initiated prior to EPA approval of the Contractor's updated PQAPP must be performed in accordance with the approved SPQAPP. EPA may request the Contractor to furnish written documentation from the Contractor showing that the Contractor has complied with this requirement.

The Contractor shall update the above mentioned PQAPP so that it addresses systematic planning for this TO. The contractor shall use the active voice. The SQAPP shall provide enough detail to clearly describe objectives of the project supported by the TO; the type of data to be collected, generated, or used under this TO to support the project objectives; the quality objectives needed to ensure that these will support the project objectives; and the quality assurance and quality control activities to be performed to ensure that any results obtained are documented and are of the type, quality, transparency, and reproducibility needed. In addition, the Contractor shall be required to address the quality of any data provided by EPA, at the start of the TO.

The SQAPP must be consistent with the document, *EPA Requirements for Quality Assurance Project Plans: EPA QA/R-5* (<https://www.epa.gov/quality/epa-qar-5-epa-requirements-quality-assurance-project-plans>). The SQAPP shall include any SOPs or checklists. The Contractor shall comply with all QA/QC requirements set forth in the contract-level PQAPP.

The PQAPP shall also be consistent with A Summary of General Assessment Factors for Evaluating the Quality of Scientific and Technical Information and Addendum to: *A Summary of General Assessment Factors for Evaluating the Quality of Scientific and Technical Information*

(<https://www.epa.gov/risk/summary-general-assessment-factors-evaluating-quality-scientific-and-technical-information>).

In addition, the Contractor shall include a separate and identifiable discussion in all reports (deliverables) about the quality of the data, and summarize the QA/QC activities that were or will be used to ensure and confirm the usability of the data for the project, identify any deviations from QA protocols (e.g., from the PQAPP), problems encountered and corrective actions taken, and any limitations on the usability of the data for the purposes intended.

The Contractor shall also comply with the following procedural requirements related to compliance with the PQAPP:

- The Contractor shall submit all drafts and final updated SPQAPP in Microsoft Word format, and in tracked changes as appropriate. The Contractor may also submit these documents in PDF format.
- The Contractor shall notify the EPA TOCOR if it determines that additional changes to the PQAPP are warranted (e.g., due to organizational changes, revised technical approaches, or other unforeseen circumstances).
- If, during the Period of Performance of this TO, the EPA TOCOR provides technical direction that revisions to the PQAPP are necessary, the Contractor shall follow all procedures and requirements set forth for development of the original PQAPP, as specified above. The Contractor shall include a version (revision) history page that summarizes changes made. The Contractor shall also provide EPA with copies of any modified SOPs or checklists.
- All QA documentation prepared under this TO, shall be considered non-proprietary, and shall be made available to the public upon request.

The Contractor shall submit an email that proposes a standardized naming convention and version control for all deliverables associated with the TO. This system will ensure that deliverables are clearly named and dated and that the sequence of versions of a document is clear. The EPA TOCOR will review the email and then provide the Contractor with written notification of approval or edits that need to be made. After receiving notification of approval, the contractor shall use this standardized convention for all deliverables associated with the Task Order.

Deliverables and schedule under Task 2

Task	Deliverable	Due
2	SQAPP	Within one month of TO award

	QA/QC reporting	To be included in monthly progress reports (Task 1)
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Task 3. Data compilation, management and analysis – Base period

The contractor shall support EPA in compiling, managing and analyzing secondary data associated with cyanotoxins, harmful algal blooms, and their drivers and indicators in drinking water and source waters. Possible data sources include the Unregulated Contaminant Monitoring Rule (UCMR) dataset, state and local datasets and satellite imagery. Additionally, the contractor shall evaluate the impacts of source water quality on finished water quality for select contaminants. The contractor shall execute the following tasks:

- 3a. Execute data analysis on cyanotoxin occurrence in state, local and federal datasets. Explore the linkages between source water quality and finished water quality for parameters such as total organic carbon, nutrients, algal biomass, cyanotoxins, microbial contaminants and disinfection by-products from a variety of specified federal, state and local databases.
- 3b. Research existing methodologies for determining surface source waters that are vulnerable to excess HABs, nutrients and TOC loadings and/or increased risk for SWTR and/or DBP rule violations. Compile data and thresholds used, this can include satellite-derived data, land use data and water quality data. Develop a draft screening method for select PWSs' source waters, run the vulnerability screen, report on results and modify based on input from the TOCOR.

Deliverables: Draft and final versions of analysis files, graphs, maps. Draft and final report summarizing data analysis.

Task	Deliverable	Due
3a	Draft data analysis files	Within five months of TO award or as directed by written technical direction by the TOCOR.
3a	Final data analysis files	Within 1 month after comments are provided by TOCOR on draft files or as directed by written technical direction by the TOCOR.
3b	Research on source water vulnerability screens/approaches	Within eight months of TO award or as directed by written technical direction by the TOCOR.
3b	Draft vulnerability screening method and examples	Within two months of receipt of research, or as directed by written

		technical direction by the TOCOR.
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Task 4. Drinking water, source water protection and watershed management policy and implementation research – Base period and option year 1

The contractor shall support EPA in policy and implementation research including synthesis of existing local, state and federal policies and approaches to such topics as watershed protection and improvement approaches, source water protection, risk assessment, risk mitigation and drinking water policy related to such topics as nonpoint source pollution, harmful algal blooms, cyanotoxins, microbial contaminants and disinfection by-products and related rules (e.g. Stage 1 and Stage 2 Disinfectants and Disinfection Byproducts Rules, Surface Water Treatment Rule, Safe Drinking Water Act and Clean Water Act).

- 4a. Synthesis of local, state and international policy approaches for managing cyanobacteria and cyanotoxins in drinking water – including the following: both regulatory and non-regulatory approaches; prevention (source to tap/source water protection) approaches; mitigation and emergency response approaches.
- 4b. Literature review of effective monitoring, analytical methods and treatment approaches for saxitoxin and anatoxin-a in drinking water.
- 4c. Research on existing approaches and considerations for managing cyanotoxins and microbial contaminants in source and finished drinking water and disinfection by-product precursors in source water and disinfection by products in finished water, including risk assessment frameworks and Clean Water Act considerations and source-to-tap frameworks.

Deliverables: The contractor shall provide necessary documents summarizing and synthesizing related considerations mentioned above that may include such things as literature reviews, policy summary and synthesis papers as well as reviewing and formatting existing related documents and completing draft(s) and final versions of documents.

Task	Deliverable	Due
4a	Draft cyanotoxins in drinking water management literature review	Within three months of TO award or as directed by written technical direction by the TOCOR
	Final cyanotoxins in drinking water management literature review	Within 1 month after comments are provided by TO on draft literature review or as directed by written technical direction by the TOCOR.
4b	Draft saxitoxin and anatoxin-a literature review	As directed by written technical direction by the TOCOR.

	Final saxitoxin and anatoxin-a literature review	As directed by written technical direction by the TOCOR.
4c	Draft policy and implementation literature review	As directed by written technical direction by the TOCOR
4c	Final policy and implementation literature review	As directed by written technical direction by the TOCOR.

Task 5 - Synthesis and development of stakeholder materials and emergency response materials – Base period and option year 1

The contractor shall support EPA in the development of harmful algal bloom and cyanotoxin support documents and activities as necessary to meet the needs of the drinking water stakeholder community. Such documents could include new materials to help in responding to harmful algal blooms during emergencies or compiling existing documentation in a new format. Additionally, the contractor shall conduct background research on how harmful algal blooms/cyanotoxins are incorporated into state and local emergency and risk management plans.

- 5a. Synthesis existing state and local information on how harmful algal blooms in drinking water are incorporated into state/local action plans, risk management plans and emergency response plans.
- 5b. Develop cyanotoxins in drinking water emergency response materials for stakeholder community.
- 5c. Develop cyanotoxins in drinking water materials to help stakeholders in managing the risks of cyanotoxins.

Deliverables: The contractor shall provide necessary documents summarizing and synthesizing related information mentioned above that may include such things as literature reviews, policy summary and synthesis papers, emergency response documents as well as reviewing and formatting existing related documents and completing draft(s) and final versions of documents.

Task	Deliverables	Due
5a	Draft cyanotoxins in drinking water emergency/risk management literature review	Within three months of TO award or as directed by written technical direction by the TOCOR
	Final cyanotoxins in drinking water emergency/risk management literature review	Within 1 month after comments are provided by TO on draft literature review or as directed by written technical direction by the TOCOR.

5b	Draft cyanotoxins in drinking water emergency response materials	As directed by written technical direction by the TOCOR.
	Final cyanotoxins in drinking water emergency response materials	As directed by written technical direction by the TOCOR.
5c	Draft cyanotoxins in drinking water materials	As directed by written technical direction by the TOCOR.
5c	Final cyanotoxins in drinking water materials	As directed by written technical direction by the TOCOR.

Task 6 – Regulatory Determination Materials – Base period

The contractor shall support EPA in compiling, managing and summarizing cyanotoxin-related materials on occurrence, health data and opportunities for public health protection for inclusion in support documents and background materials for the next cycle of the Regulatory Determination process.

Deliverables: Research outputs, draft support document and supplemental information, final support document.

Task	Deliverable	Due
6a	Research on occurrence, health data and opportunities for public health protection.	Within four months of TO award or as directed by written technical direction by the TOCOR
6b	Draft support document including research and other items as directed by TOCOR.	Within six months of finishing the research, or as directed by written technical direction by the TOCOR.
6c	Final support document and related materials for cyanotoxins in Reg Det	Within 11 months of TO award, or as directed by written technical direction by the TOCOR.

Task 7 – Webinar and Workshop Support – Base period and option year 1

The contractor shall support EPA in planning and executing up to three webinars and/or in person workshops focused on preparing for, managing and responding to HAB risks in drinking water and source waters. Audience for these webinars include state, tribal, academic and federal government institutions as well as public water systems and local governments. The contractor

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shall provide support in planning, developing agendas, confirming and coordinating with speakers on logistics and providing support during and after the meetings and webinars. Webinars will be the likely format, however, travel may be possible depending on the public health risks of travel, during Option period 1. For the purposes of this Task, assume travel to a location in the southern United States, such as Atlanta, Georgia.

Deliverables: Webinar/workshop planning and logistics and agenda development, draft summary documents from the meeting, final meeting materials, summary notes from the meetings.

Task	Deliverable	Due
7a	Provide logistical support for up to 2 webinars/workshops (dates to be determined), including such activities as setting up registration pages, inviting speakers, sending email invitations, developing agendas and meeting support materials, providing online and in person meeting support and facilitating discussion (as needed).	As directed by written technical direction by the TOCOR
7b	Draft summary documents and notes from the meetings, as directed by TOCOR.	Within two weeks of each webinar/workshop.
7c	Final post meeting materials, including materials to be posted online.	Within two weeks of receipt of comment on draft materials from TOCOR.

General Requirements of the Task Order and Schedule

The Contract level COR or an authorized individual is permitted to provide technical direction. Technical direction must be within the statement of work of the contract and includes: (1) Direction to the contractor which assists the contractor in accomplishing the PWS, (2) Comments on and approval of reports or other deliverables. Technical direction will be issued in writing or confirmed in writing within five (5) calendar days after verbal issuance. One copy of the technical direction memorandum will be forwarded to the Contracting Officer and the Contract Level Contracting Officer Representative.

Work conducted under this Task Order shall not duplicate work conducted under any other Task Order or Work Assignment under any other contract. As required, the EPA TOCOR will provide

technical direction in accordance with Clause H-20 of the contract, EPAAR 1552.237-71 TECHNICAL DIRECTION (AUG 2009) and the Contract Level Performance Work Statement (PWS).

Confidential Business Information (CBI): For this Task Order, the contractor shall not be accessing any Confidential Business Information (CBI).

Budget Reporting: The contractor, under this task order, shall be required to report to the TOCOR when 85 percent of the total task order funding amount has been depleted.

Identification as Contracting Staff: To avoid the perception that contractor personnel are EPA employees, the contractor personnel shall be clearly identified as independent contractors of EPA when participating in events with outside parties and prior to the start of any meeting. The contractor personnel are prohibited from acting as the Agency's official representative. When speaking with the public, the contractor shall refer all interpretations of policy to the TOCOR.

Limitation of Contractor Activities: The contractor shall submit drafts of all deliverables to the TOCOR for review prior to submission of the final product. These drafts will clearly specify the methods, procedures, considerations, assumptions, relevant citations, data sources and data that support any conclusions and recommendations. The contractor shall incorporate all TOCOR comments into all final deliverables, unless otherwise agreed upon by the TOCOR. The contractor shall adhere to all applicable EPA management control procedures as implemented by the EPA Contracting Officer (CO), Project Officer (PO), and TOCOR.

Quick Response: Under this Performance Work Statement (PWS), the contractor shall be required to provide ad hoc information for use by EPA for quick responses and analyses of options, issues, and policy decisions. Quick responses are those which require completion in one to five working days.

Conference/meeting guidelines and limitations. The contractor shall immediately notify the EPA Contracting Officer, CL COR and TOCOR of any anticipated event involving support for a meeting, conference, workshop, symposium, retreat, seminar or training that may potentially incur \$20,000 or more in cost during performance. Conference expenses are all direct and indirect costs paid by the government and include any associated authorized travel and per diem expenses, room charges for official business, audiovisual use, light refreshments, registration fees, ground transportation and other expenses as defined by the Federal Travel Regulations. All outlays for conference preparation should be included, but the federal employee time for conference preparation should not be included. After notifying EPA of the potential to reach this threshold, the Contractor shall not proceed with the task(s) until authorized to do so by the Contracting Officer.

Travel: Travel may be required under this Performance Work Statement (PWS). For work planning purposes, the contractor should assume 1 two day trip to Atlanta, Georgia, during the period of performance to support HAB workshop planning and execution. The contractor's travel shall be in accordance with EPA travel requirements and authorized in advance by the EPA Contract-level Contracting Officer's Representative.

Deliverable Formatting: All memos, draft comments, summaries and responses, and chapters are to be provided in electronic form using Word and/or Excel/Access, ArcView, or, in special cases another software program agreed to by the TOCOR. Memos are to be written in a manner which will make them easy to conform into draft chapters for the Final Report. For deliverables that are in Word or pdf versions of Word documents, that are intended to be shared with management or the public, the contractor shall use decimal align in all tables containing columns of numbers of varying digits, whether decimal places are reported or not. All final materials, e.g., memos, chapters, etc. are to be prepared only after receiving written technical direction from the TOCOR and formatted to be compliant with Section 508 Amendment to the Rehabilitation Act of 1973.

III. SCHEDULE OF DELIVERABLES

All deliverables shall be in accordance with the contract level PWS, Section F, and the above-listed deliverable due dates.

IV. PERFORMANCE STANDARDS AND MEASURES

The following standards will be used to measure performance.

1. Quality of Products: All tasks are to be of superior quality. The quality of outputs will be measured against similar analyses and work already performed by EPA.
2. Schedule: All tasks are to be completed on, or ahead of schedule as measured against the acceptance criteria.
3. Ingenuity and Resourcefulness: New issues are addressed using innovative analyses. Ingenuity and resourcefulness will be measured by the ability to use innovative analyses to address new issues not previously identified.
4. Quality assurance: Adhere to both Contract level QAPP and PQAPP.

V. CONTRACTOR IDENTIFICATION

Contractor personnel shall always identify themselves as contractor employees by name and organization and physically display that information through an identification badge. Contractor personnel are prohibited from acting as the Agency's official representative. The contractor shall refer any questions relating to the interpretation of EPA policy, guidance, or regulation to the

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CO, CL-COR and/or TOCOR.

VI. STATUS NOTIFICATION

The contractor shall notify the EPA PO and program office contact when 75% of the funds provided have been expended or when funding for less than 6 weeks work remains. The Contractor shall also notify the TOCOR when 75% of the funds have been used on any single case assignment. Notifications shall be in writing and cc to the Project Officer.

SECTION B - Supplies or Services/Prices

B-1 Local Clauses EPA-B-32-103 LIMITATION OF GOVERNMENT'S OBLIGATION

(a) Severable services may be incrementally funded. Non-severable services shall not be incrementally funded. Contract line item 0001 is severable and may be incrementally funded. For this item, the sum of \$25,000 of the total price is presently available for payment and allotted to this item.

(b) For items identified in paragraph (a) of this clause, the Contractor agrees to perform up to the point at which the total amount payable by the Government, including reimbursement in the event of termination of those items for the Government's convenience, approximates the total amount currently allotted for those items to the contract. The Contractor shall not continue work on those items beyond that point. Subject to the clause entitled "Termination for Convenience of the Government," the Government will not be obligated, under any circumstances, to reimburse the Contractor in excess of the amount payable by the Government in the event of the termination of applicable contract line items for convenience including costs, profit, and estimated termination costs for those line items.

(c) Notwithstanding the dates specified in the allotment schedule in paragraph (h) of this clause, the Contractor will notify the Contracting Officer, in writing, at least 10 days prior to the date when, in the Contractor's best judgment, the work will reach the point at which the total amount payable by the Government, including any cost for termination for convenience, will approximate 85 percent of the total amount currently allotted to the contract for performance of the applicable items. The notification will state (1) the estimated date when that point will be reached and (2) an estimate of additional funding, if any, needed to continue performance of the applicable line items up to the next scheduled date for the allotment of funds identified in paragraph (a) of this clause, or to a substitute date as determined by the Government pursuant to paragraph (d) of this clause. If, after such notification, additional funds are not allotted by the date identified in the Contractor's notification, or by an agreed substitute date, the Contracting Officer will terminate any item(s) for which additional funds have not been allotted, pursuant to the clause entitled "Termination for Convenience of the Government."

(d) The parties contemplate that, subject to the availability of appropriations, the Government may allot additional funds for continued performance of the contract line items identified in paragraph (a) of this clause and will determine the estimated period of contract performance which will be covered by the funds. If additional funds are allotted, the Contracting Officer will notify the Contractor in writing. The Contractor shall not resume performance of the contract line items identified in paragraph (a) until the written notice is received. The provisions of paragraphs (b) through (d) of this clause will apply in like manner to the additional allotted funds and to the new estimated period of contract performance. The contract will be modified accordingly.

(e) The Government may, at any time prior to termination, allot additional funds for the performance of the contract line items identified in paragraph (a) of this clause.

(f) The termination provisions of this clause do not limit the rights of the Government under the clause entitled "Default". The provisions of this clause are limited to the work and allotment of funds for the contract line items set forth in paragraph (a) of this clause. This clause no longer applies once the contract is fully funded.

(g) Nothing in this clause affects the right of the Government to otherwise terminate this contract pursuant to the contract clause entitled "Termination for Convenience of the Government".

(h) The parties contemplate that the Government may obligate funds to this contract in accordance with the following schedule:

RECAPITULATION OF FUNDING TO DATE
CONTRACT NO. 68HERC21D0006
TASK ORDER NO. 68HERC23F0059

Base Period of Performance – March 1, 2023 through February 29, 2024

Option Period 1 Period of Performance – March 1, 2024 through February 28, 2025

FUNDING ACTION	FUNDING
Total Line 0001 Amount	\$69,762.00
Initial Funding	\$25,000.00
Balance Unfunded	\$44,762.00

SECTION F - Deliveries or Performance

F-1 Local Clauses EPA-F-12-101 PERIOD OF PERFORMANCE

The base period of performance of this Task Order period shall be from 03/01/2023 through 02/29/2024 inclusive of all required reports.

The period of performance of Option Period 1, if exercised, shall be from 03/01/2024 through 02/28/2025 inclusive of all required reports.

SECTION G - Contract Administration Data

G-1 Local Clauses EPA-G-42-101 CONTRACT ADMINISTRATION REPRESENTATIVES

Task Order-Level Contracting Officers Representatives (CORs)/Project Officers for this contract are as follows:

Katherine Foreman, 202-564-3403, email: foreman.katherine@epa.gov (TOCOR)

Ashley Greene, 202-566-1738, email: greene.ashley@epa.gov (Alternate TOCOR)

Contracting Officials responsible for administering this contract are as follows:

Keith Pfeffer, 513-487-2034, pfeffer.keith@epa.gov (Contracting Officer)

John Krauss, 513-487-2148, krauss.john@epa.gov (Contract Specialist)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. P00001		3. EFFECTIVE DATE See Block 16C		5. PROJECT NO. (If applicable)	
6. ISSUED BY CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001		7. ADMINISTERED BY (If other than Item 6) CODE		5. PROJECT NO. (If applicable)	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Cadmus Group LLC, The Attn: JOEL DEMASI 100 5TH AVENUE SUITE 100 WALTHAM MA 024518727		(x)		9A. AMENDMENT OF SOLICITATION NO.	
CODE WSEZME8NNBA8		FACILITY CODE		9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. 68HERC21D0006 68HERC23F0059	
				10B. DATED (SEE ITEM 13) 01/10/2023	
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.					
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule					
Net Decrease: -\$25,000.00					
13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
CHECK ONE					
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).					
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
D. OTHER (Specify type of modification and authority)					
X Clause I-78, FAR 52.249-6 TERMINATION (COST-REIMBURSEMENT)					
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)					
UEI: WSEZME8NNBA8					
TOCOR: Katherine Foreman Max Expire Date: 02/28/2025 Invoice Approver: Katherine Foreman Alt Invoice App: Ashley Greene					
The purposes of this modification are to:					
1) Terminate this Task Order (68HERC23F0059) in its entirety, for convenience of the Government, effective immediately in accordance with Base Contract clause I-78 FAR 52.249-6 TERMINATION (COST-REIMBURSEMENT) (MAY 2004 - ALTERNATIVE IV (SEP 1996)); and					
2) De-obligate \$25,000.00 in Time-and-Materials funding from Line Item 0001, leaving this Task Order with a \$0.00 funding balance. See the attached Funding Recap sheet.					
Continued ...					
Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		
			Keith Pfeffer		
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA	
(Signature of person authorized to sign)				ELECTRONIC SIGNATURE	
				03/07/2023	

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC21D0006/68HERC23F0059/P00001	PAGE	OF
		2	2

NAME OF OFFEROR OR CONTRACTOR
Cadmus Group LLC, The

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Note: This Termination and resulting de-obligation of funds is issued unilaterally as a result of an e-mail negotiated agreement between the Government and the Contractor dated February 9, 2023.</p> <p>LIST OF CHANGES: Obligated Amount for this Modification: -\$25,000.00 New Total Obligated Amount for this Award: \$0.00 Incremental Funded Amount changed: from \$25,000.00 to \$0.00</p> <p>CHANGES FOR LINE ITEM NUMBER: 1 Obligated Amount for this Modification: -\$25,000.00 Incremental Funded Amount changed from \$25,000.00 to \$0.00</p> <p>CHANGES FOR ACCOUNTING CODE: 23-24-B-40DQ3-000B53-2505-2340SRE004-001 Amount changed from \$25,000.00 to \$0.00</p> <p>Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 03/01/2023 to 02/28/2025</p>				

SECTION B - Supplies or Services/Prices

B-1 Local Clauses EPA-B-32-103 LIMITATION OF GOVERNMENT'S OBLIGATION

- (a) Severable services may be incrementally funded. Non-severable services shall not be incrementally funded. Contract line item 0001 is severable and may be incrementally funded. For this item, the sum of \$0.00 of the total price is presently available for payment and allotted to this item.
- (b) For items identified in paragraph (a) of this clause, the Contractor agrees to perform up to the point at which the total amount payable by the Government, including reimbursement in the event of termination of those items for the Government's convenience, approximates the total amount currently allotted for those items to the contract. The Contractor shall not continue work on those items beyond that point. Subject to the clause entitled "Termination for Convenience of the Government," the Government will not be obligated, under any circumstances, to reimburse the Contractor in excess of the amount payable by the Government in the event of the termination of applicable contract line items for convenience including costs, profit, and estimated termination costs for those line items.
- (c) Notwithstanding the dates specified in the allotment schedule in paragraph (h) of this clause, the Contractor will notify the Contracting Officer, in writing, at least 10 days prior to the date when, in the Contractor's best judgment, the work will reach the point at which the total amount payable by the Government, including any cost for termination for convenience, will approximate 85 percent of the total amount currently allotted to the contract for performance of the applicable items. The notification will state (1) the estimated date when that point will be reached and (2) an estimate of additional funding, if any, needed to continue performance of the applicable line items up to the next scheduled date for the allotment of funds identified in paragraph (a) of this clause, or to a substitute date as determined by the Government pursuant to paragraph (d) of this clause. If, after such notification, additional funds are not allotted by the date identified in the Contractor's notification, or by an agreed substitute date, the Contracting Officer will terminate any item(s) for which additional funds have not been allotted, pursuant to the clause entitled "Termination for Convenience of the Government."
- (d) The parties contemplate that, subject to the availability of appropriations, the Government may allot additional funds for continued performance of the contract line items identified in paragraph (a) of this clause and will determine the estimated period of contract performance which will be covered by the funds. If additional funds are allotted, the Contracting Officer will notify the Contractor in writing. The Contractor shall not resume performance of the contract line items identified in paragraph (a) until the written notice is received. The provisions of paragraphs (b) through (d) of this clause will apply in like manner to the additional allotted funds and to the new estimated period of contract performance. The contract will be modified accordingly.
- (e) The Government may, at any time prior to termination, allot additional funds for the performance of the contract line items identified in paragraph (a) of this clause.
- (f) The termination provisions of this clause do not limit the rights of the Government under the clause entitled "Default". The provisions of this clause are limited to the work and allotment of funds for the contract line items set forth in paragraph (a) of this clause. This clause no longer applies once the contract is fully funded.
- (g) Nothing in this clause affects the right of the Government to otherwise terminate this contract pursuant to the contract clause entitled "Termination for Convenience of the Government".
- (h) The parties contemplate that the Government may obligate funds to this contract in accordance with the following schedule:

RECAPITULATION OF FUNDING TO DATE
CONTRACT NO. 68HERC21D0006
TASK ORDER NO. 68HERC23F0059

Base Period of Performance – March 1, 2023 through February 29, 2024

Option Period 1 Period of Performance – March 1, 2024 through February 28, 2025

FUNDING ACTION	FUNDING
Total Line 0001 Amount	\$69,762.00
Initial Funding	\$25,000.00
De-obligation (P00001)	-\$25,000.00
Balance Unfunded	\$69,762.00

SECTION F - Deliveries or Performance

F-1 Local Clauses EPA-F-12-101 PERIOD OF PERFORMANCE

The base period of performance of this Task Order period shall be from 03/01/2023 through 02/29/2024 inclusive of all required reports.

The period of performance of Option Period 1, if exercised, shall be from 03/01/2024 through 02/28/2025 inclusive of all required reports.

SECTION G - Contract Administration Data

G-1 Local Clauses EPA-G-42-101 CONTRACT ADMINISTRATION REPRESENTATIVES

Task Order-Level Contracting Officers Representatives (CORs)/Project Officers for this contract are as follows:

Katherine Foreman, 202-564-3403, email: foreman.katherine@epa.gov (TOCOR)

Ashley Greene, 202-566-1738, email: greene.ashley@epa.gov (Alternate TOCOR)

Contracting Officials responsible for administering this contract are as follows:

Keith Pfeffer, 513-487-2034, pfeffer.keith@epa.gov (Contracting Officer)

John Krauss, 513-487-2148, krauss.john@epa.gov (Contract Specialist)

ORDER FOR SUPPLIES OR SERVICES						PAGE OF PAGES		
						1	2	
IMPORTANT: Mark all packages and papers with contract and/or order numbers.								
1. DATE OF ORDER 12/01/2022		2. CONTRACT NO. (If any) 68HERC21D0006		6. SHIP TO:				
3. ORDER NO. 68HERC23F0063		4. REQUISITION/REFERENCE NO. PR-OW-23-00107		a. NAME OF CONSIGNEE CAD				
5. ISSUING OFFICE (Address correspondence to) CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001				b. STREET ADDRESS US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136				
				c. CITY Cincinnati		d. STATE OH	e. ZIP CODE 45268-0001	
7. TO: JOEL DEMASI				f. SHIP VIA				
a. NAME OF CONTRACTOR Cadmus Group LLC, The				8. TYPE OF ORDER <input type="checkbox"/> a. PURCHASE REFERENCE YOUR: Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.				
b. COMPANY NAME								
c. STREET ADDRESS 100 5TH AVENUE SUITE 100				<input checked="" type="checkbox"/> b. DELIVERY Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.				
d. CITY WALTHAM		e. STATE MA	f. ZIP CODE 024518727					
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE Standards & Risk Management Div.				
11. BUSINESS CLASSIFICATION (Check appropriate box(es)) <input type="checkbox"/> a. SMALL <input checked="" type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB						12. F.O.B. POINT		
13. PLACE OF		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date) 11/30/2023		16. DISCOUNT TERMS		
a. INSPECTION Destination		b. ACCEPTANCE Destination						
17. SCHEDULE (See reverse for Rejections)								
ITEM NO. (a)	SUPPLIES OR SERVICES (b)			QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	UEI: WSEZME8NNBA8 TOCOR: Robert Barles Max Expire Date: 11/30/2023 Invoice Approver: Robert Barles Alt Invoice App: John Towe Continued ...							
SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		\$0.00	17(h) TOTAL (Cont. pages) ▲
	21. MAIL INVOICE TO:							
	a. NAME RTP Finance Center						\$624,761.00	17(i) GRAND TOTAL ▲
	b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts							
c. CITY Durham				d. STATE NC	e. ZIP CODE 27711			
22. UNITED STATES OF AMERICA BY (Signature)					23. NAME (Typed) Keith Pfeffer TITLE: CONTRACTING/ORDERING OFFICER			

ORDER FOR SUPPLIES OR SERVICES
SCHEDULE - CONTINUATION

PAGE NO
2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER	CONTRACT NO.	ORDER NO.
12/01/2022	68HERC21D0006	68HERC23F0063

ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	Admin Office: CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001 Period of Performance: 12/01/2022 to 11/30/2023 Continued Support for the Drinking Water Infrastructure Needs Survey and Assessment TIME-AND-MATERIALS TASK ORDER FOR SEVERABLE SERVICES Accounting Info: 22-E3-40EBA-000B81-2505-2340DWE004-001 BFY: 22 Fund: E3 Budget Org: 40EBA Program (PRC): 000B81 Budget (BOC): 2505 DCN - Line ID: 2340DWE004-001 Funding Flag: Complete Funded: \$200,000.00					

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$0.00

Performance Work Statement

I. Title: Support for the Drinking Water Infrastructure Needs Survey

Contractor: The Cadmus Group

Contract No.: 68HERC21D0006

Task Order: 68HERC23F0063

II. Estimated Period of Performance:

Task Order Award through 12 Months

III. Key EPA Personnel:

Task Order Contracting Officer's Representative (TOCOR):

Name: Robert Barles
Office: OW/OGWDW
Drinking Water Protection Division
Address: US EPA, 1200 Pennsylvania Ave, NW (4606M)
Washington, DC 20460
Location: 2213F
Telephone #: 202-564-3814
Email: barles.robert@epa.gov

Alternate Task Order Contracting Officer's Representative and Technical Expert (ALT-TOCOR):

Name: John Towe
Office: OW/OGWDW
Drinking Water Protection Division
Address: US EPA, 1200 Pennsylvania Ave, NW (4606M)
Washington, DC 20460
Location: 2145C
Telephone #: 202-564-2298
Email: towe.john@epa.gov

V. BACKGROUND AND PURPOSE

A critical element of the National Drinking Water Program is the oversight of the Drinking Water State Revolving Fund (DWSRF) authorized by Congress to help capitalize state revolving

fund programs that provide loans and grants to the Nation's drinking water systems to assist them in addressing their infrastructure investment needs. A key activity conducted by the Office of Ground Water and Drinking Water (OGWDW) in support of the DWSRF program is the conduct of a large survey to determine the infrastructure investment needs of the Nation's drinking water systems. The quadrennial DWINSA not only results in a report to the U.S. Congress on the needs for infrastructure investment in the drinking water industry but also provides the basis for the allotment of the annual DWSRF grants to the States based on their relative investment needs.

The purpose of this Task Order is to continue the support to the Drinking Water Infrastructure Needs Survey and Assessment (DWINSA or "Survey") beyond that provided under the previous TO 68HERC22F0234. The focus of support is on three major areas over the performance period: (a) completing 2021 DWINSA effort; (b) improvement to the DWINSA process for the next major Survey effort including conducting smaller surveying and assessment efforts for interim reports on infrastructure investment needs and testing new methodologies.

As noted, previous support for the DWINSA effort has been provided under TO 68HERC22F0234. Any analysis, technical support, or deliverables provided under this new Task Order shall not be duplicative of previously performed tasks.

VI. TASKS

The Contractor shall provide technical support (and adhere to the quality assurance/quality control requirements listed herein) to complete the 2021 DWINSA effort including finalizing reviews of submitted data, undertaking associated data collation and analysis; and providing a series of written reports of findings, cumulating in a Report to Congress (RtC).

Under this Task Order, the contractor shall also provide support, after the 2021 Survey's RtC has been published, to help improve the general DWINSA process to prepare for the next surveying effort with a particular focus on improvements to infrastructure cost models and to the Survey's data management processes including data entry at the water system and state levels. The support shall include interim field surveying efforts to develop and test new methodologies and provide additional foundational data in support of the next DWINSA effort.

The tasks below provide the contractor with a description of the expected deliverables and time frames required to meet these three purposes of this task order.

Task 1. Monthly progress reports

In accordance with contract Attachment 3 – Reports of Work, the Contractor shall provide electronic copies of the monthly progress and financial reports to the Contracting Officer, EPA

Contract Level COR (CLCOR) (previously titled Project Officer (PO)) and TOCOR. Each progress report shall describe the technical work and expenditures for the same time period as the corresponding invoice. The reports shall list by task the amount of work completed and include a table of hours by personnel for each task. The reports also shall identify any problems or difficulties, lessons learned, Quality Assurance (QA)/Quality Control (QC) activities, and next steps.

The Contractor shall immediately notify the EPA TOCOR by telephone of any problems that may impede performance, impact QA-related activities, and any corrective actions needed to solve the problems. The Contractor shall also include this in the Monthly Technical and Cost Progress Reports.

Deliverables and schedule under Task 1

Task	Deliverable	Due
1	Progress and financial reports	Monthly
	Calls with EPA	Bi-weekly, including weekly calls during periods of intense activity

For the purposes of the cost estimate, the TOCOR estimates that task 1 will require approximately 170 hours of the total technical LOE.

Task 2. Quality assurance/quality control

Quality assurance (QA) and quality control (QC) are important components of EPA's work to assure that minimum quality standards for the use intended are attained. This TO involves the development and use of data and requires the Contractor to update the Quality Assurance Project Plan (QAPP), prepared for this contract with a Supplemental Quality Assurance Project Plan (SQAPP), that addresses the data sources and methods for developing and using the data that are specific to this TO.

To ensure consistency in methods across all field surveying and data management of the last three years of DWINSA efforts, the Contractor shall use the SQAPP developed under the previous contract EP-C-15-022, work assignment #5-39 and #6-39, and adopted and approved as the SQAPP for the task order (TO# 68HERC22F0234) previous to this one. The previous Cadmus contract SQAPP for DWINSA had been approved as being consistent with all Agency's quality assurance (QA) requirements.

The task specific QA requirements of the SQAPP shall be addressed under this new task order in the monthly progress reports as specified under Task 1. The Contractor shall follow all procedures and requirements set forth by the SQAPP update to the QAPP, as specified below. The Contractor shall include a version (revision) history page that summarizes changes made. The Contractor also shall provide EPA with copies of any modified SOPs or checklists. QAPPs are required under the Agency's Quality Assurance Policy CIO-2105, formerly EPA Order 5360.1 A2 (May 2000), and implementing guidance CIO-2105-P-01-0 (May 2000). All projects

that involve the generation, collection, analysis, and use of environmental data must have an approved QAPP in place prior to the commencement of work.

The approved SQAPP shall remain consistent with the document, *EPA Requirements for Quality Assurance Project Plans: EPA QA/R-5* (<https://www.epa.gov/quality/epa-qar-5-epa-requirements-quality-assurance-project-plans>). The SQAPP shall include any new or changed SOPs or checklists. The Contractor shall comply with all QA/QC requirements set forth in the contract-level QAPP.

The SQAPP shall also remain consistent with A Summary of General Assessment Factors for Evaluating the Quality of Scientific and Technical Information and Addendum to: *A Summary of General Assessment Factors for Evaluating the Quality of Scientific and Technical Information* (<https://www.epa.gov/risk/summary-general-assessment-factors-evaluating-quality-scientific-and-technical-information>).

In addition, the Contractor shall include a separate and identifiable discussion in all reports (deliverables) about the quality of the data, and summarize the QA/QC activities that were or will be used to ensure and confirm the usability of the data for the project, identify any deviations from QA protocols (e.g., from the SQAPP), problems encountered and corrective actions taken, and any limitations on the usability of the data for the purposes intended.

The Contractor also shall comply with the following procedural requirements related to compliance with the SQAPP:

- The Contractor shall submit all drafts and final updated SPQAPP in Microsoft Word format, and in tracked changes as appropriate. The Contractor may also submit these documents in PDF format.
- The Contractor shall notify the EPA TOCOR if it determines that additional changes to the SQAPP are warranted (e.g., due to organizational changes, revised technical approaches, or other unforeseen circumstances).
- If, during the Period of Performance of this TO, the EPA TOCOR provides technical direction that revisions to the SQAPP are necessary, the Contractor shall follow all procedures and requirements set forth for development of the original SQAPP, as specified above. The Contractor shall include a version (revision) history page that summarizes changes made. The Contractor also shall provide EPA with copies of any modified SOPs or checklists.
- All QA documentation prepared under this TO, shall be considered non-proprietary, and shall be made available to the public upon request.

The Contractor shall submit an email that proposes a standardized naming convention and version control for all deliverables associated with the TO. This system will ensure that deliverables are clearly named and dated and that the sequence of versions of a document is clear. The EPA TOCOR will review the email and then provide the Contractor with written notification of approval or edits that need to be made. After receiving notification of approval, the contractor shall use this standardized convention for all deliverables associated with the Task Order.

Deliverables and schedule under Task 2

Task	Deliverable	Due
2	SQAPP	Within two weeks of TO award
	QA/QC reporting	To be included in monthly progress reports (Task 1)

For the purposes of the cost estimate, the TOCOR estimates that task 2 will require approximately 40 hours of the total technical LOE.

Task 3. Support to Complete the 2021 DWINSA Effort. The contractor shall continue support for completing all reviews of Survey submission in accordance with DWINSA policies and benchmarks established by the Survey’s ICR approved by the OMB. Data from accepted infrastructure projects shall continue to be uploaded to the existing DWINSA data base, as improved under the previous contract EP-C-15-022. Any identified necessary changes to the architecture and procedures of the data base, including those planned for eventual upload to an EPA website/serve for public access, shall be brought to the attention of the TOCOR for Agency consideration and approval. All changes shall continue compliance with the Agency’s Federal Information Technology Reform Act (FITARA) policies and efforts. The contractor shall maintain a minimum level of IT expertise of the data base to provide any program/data user input requested by EPA’s IT offices involved in the eventual transfer, hosting and maintenance of the derived DWINSA data base for public access, particularly the Office of Water’s Information Management Officers (IMOs) and the Office of Environmental Information (OEI).

The contractor shall continue the analysis initiated under the previous TO 68HERC22F0234 to derive statistically valid conclusions regarding: the total 20-year projection of drinking water infrastructure investment needs; lead service lines inventories; workforce status and needs; and collected information related to SDWA provisions for American Iron and Steel (AIS). The support will provide analysis on appropriate tiers of water systems by type and size at both the state and national level of statistical aggregation for comparative purpose. The support will conclude with a written technical report with summary data tables, graphs, explanatory footnotes and endnotes, and description of Survey methodologies. The analysis will support providing findings in a Report to Congress as well as derived DWSRF state/Regional allotment formulas. With technical direction by the TOCOR, the contractor shall begin drafting the Report to Congress (RtC). The contractor shall provide continuing support for responses to both EPA and OMB reviews and inquiries.

The contractor shall provide an update either every week or every other week depending on the intensity of current effort at the time and at TOCOR's technical direction. These reports shall primarily be done verbally by conference call, occasionally supplemented with short power point presentations (2-12 slides) at the direction of the TOCOR.

For budgeting purposes, the contractor shall assume the same level of support provided for this period of time with the previous 2015 DWINSA effort.

Deliverables and schedule under Task 3

Task	Deliverable	Due
3	Collated and upload data of accepted project needs; service line inventories, workforce responses. and AIS-related data to support Task 3 objectives and reports	As directed by written technical direction by the TOCOR
	Finalize preliminary allotments	December, 2022 or as directed by TOCOR
	Finalize all allotments and findings to be included in Report to Congress	January, 2023 or as directed by TOCOR
	Report to Congress (RtC) Drafts - For Agency Review	January 2023 or as directed by TOCOR
	- For OMB Review	February 2023 or as directed by TOCOR
	Report to Congress – Published Format	March 2023 or as directed by TOCOR
	Findings Presented in Interactive Format for Public	March 2023 or as directed by TOCOR

For the purposes of the cost estimate, the TOCOR estimates that Task 3 will require approximately 2500 hours of the total technical LOE.

Task 4. Support to Undertake Efforts for Improving the DWINSA Process and Findings.

After the completion of the 2021 DWINSA effort, the contractor shall provide support to Agency efforts to improve the DWINSA methodologies, processes and foundational data to prepare for the next Survey effort.

One particular focus shall be on improving the DWINSA's cost models for use in the next Survey's data analysis. The contractor shall provide an assessment of the most critical information needs and propose options for gaining such information, for example, by either surveying infrastructure manufacturing, engineering design and construction firms or by small focused surveys of key water systems.

A second focus will be on the design and implementation of new data management systems to collect, collate, upload, manipulate, analyze, and report on DWINSA data and findings. Particular attention shall be given to achieving the most effective and efficient entry of data by sampled water systems and state/Region Survey Coordinators, including real-time artificial intelligence (AI) filtering and feedback, with a goal of reducing 90% of historic errors and cutting at least in half the historic time necessary for initial QA reviews.

A third focus shall be on improvements that can be made to the 2021 DWINSA data set, such as the LSL-related findings, that would allow an update to the Report to Congress by February 2025.

Deliverables and schedule under Task 4

Task	Deliverable	Due
4	A written report and presentation on high-impact cost model improvements and recommendations on how, and likely cost, to obtain	April 2023 or as directed by TOCOR
	A written report and presentation on high-impact improvements to DWINSA's data management process and methodologies and recommendations on how, and likely cost to obtain	May 2023 or as directed by TOCOR
	A written report and presentation on high-impact improvements to the 2021 DWINSA's findings that could be made, and recommendations on how, and likely cost to obtain	June 2023 or as directed by TOCOR

For the purposes of the cost estimate, the TOCOR estimates that task 3d will require approximately 2040 hours of the total technical LOE.

General Requirements of the Task Order and Schedule

The TOCOR or an authorized individual is permitted to provide technical direction. Technical direction must be within the statement of work of the contract and includes: (1) Direction to the contractor which assists the contractor in accomplishing the PWS, (2) Comments on and approval of reports or other deliverables. Technical direction will be issued in writing or confirmed in writing within five (5) calendar days after verbal issuance. One copy of the technical direction memorandum will be forwarded to the Contracting Officer and the Contract Level Contracting Officer Representative.

Work conducted under this Task Order shall not duplicate work conducted under any other Task Order or Work Assignment under any other contract. As required, the EPA TOCOR will provide technical direction in accordance with Clause H-20 of the contract, EPAAR 1552.237-71 TECHNICAL DIRECTION (AUG 2009) and the Contract Level Performance Work Statement (PWS).

Confidential Business Information (CBI): During the course of the task order, the contractor shall be accessing and evaluating CBI. As such, the contractor shall adhere to EPA's CBI policy and procedures as described in the contract clauses (Clauses H.14-H18). The contractor must maintain CBI security clearance to use CBI information. The contractor shall not disclose any CBI to anyone other than EPA without prior written approval from the TOCOR. The contractor shall, at all times, adhere to Confidential Business Information (CBI) procedures when handling industry information. The contractor shall manage all reports, documents, and other materials and all draft documents developed under this task order in accordance with the procedures set forth in our "Office of Science and Technology Confidential Business Information Application Security Plan" (August 2011) or its successor approved plans.

Budget Reporting: The contractor, under this task order, is required to report to the TOCOR when 85 percent of the total task order funding amount has been depleted.

Identification as Contracting Staff: To avoid the perception that contractor personnel are EPA employees, the contractor personnel shall be clearly identified as independent contractors of EPA when participating in events with outside parties and prior to the start of any meeting. The contractor personnel are prohibited from acting as the Agency's official representative. When speaking with the public, the contractor shall refer all interpretations of policy to the TOCOR.

Limitation of Contractor Activities: The contractor shall submit drafts of all deliverables to the TOCOR for review prior to submission of the final product. These drafts will clearly specify the methods, procedures, considerations, assumptions, relevant citations, data sources and data that support any conclusions and recommendations. The contractor shall incorporate all TOCOR comments into all final deliverables, unless otherwise agreed upon by the TOCOR. The contractor shall adhere to all applicable EPA management control procedures as implemented by the EPA Contracting Officer (CO), Project Officer (PO), and TOCOR.

Quick Response: Under this Performance Work Statement (PWS), the contractor may be required to provide information for use by EPA for quick responses and analyses of options, issues, and policy decisions. Quick responses are those which require completion in one to five working days.

Travel: Travel is not anticipated under this Performance Work Statement (PWS).

Deliverable Formatting: All memos, draft comments, summaries and responses, and chapters are to be provided in electronic form using Word and/or Excel/Access, ArcView, or, in special cases another software program agreed to by the TOCOR. Memos are to be written in a manner which will make them easy to conform into draft chapters for the Final Report. For deliverables that are in Word or pdf versions of Word documents, that are intended to be shared with management or the public, the contractor shall use decimal align in all tables containing columns of numbers of varying digits, whether decimal places are reported or not. All final materials, e.g., memos,

chapters, etc. are to be prepared only after receiving written technical direction from the TOCOR and formatted to be compliant with Section 508 Amendment to the Rehabilitation Act of 1973.

VII. DELIVERABLES

All deliverables shall be in accordance with the contract level PWS, Section F.

Task	Deliverables	Due
1	Progress and financial reports	Monthly
	Calls with EPA	Bi-weekly, including weekly calls during periods of intense activity
2	SQAPP	Within two weeks of TO award
	QA/QC reporting	To be included in monthly progress reports (Task 1)
3	Continued weekly progress reports as done under previous Task Order 68HERC22F0234	Within two weeks of TO award or as directed by written technical direction by the TOCOR
	Upload/collate all data submissions	December, 2022
	Finalize preliminary allotments	December 2022 or as directed by TOCOR
	Finalize all allotments and findings to be included in Report to Congress	January 2023 or as directed by TOCOR
	Report to Congress (RtC) Drafts - For Agency Review	January 2023 or as directed by TOCOR
	Report to Congress (RtC) Drafts - For Agency Review	January 2023 or as directed by TOCOR
	- For OMB Review	February 2023 or as directed by TOCOR
	Report to Congress – Published Format	March 2023 or as directed by TOCOR
4	Report - cost model options & recommendations	April 2023 or as directed by TOCOR
	Report - data management process/methodologies options & recommendations	May 2023 or as directed by TOCOR
	Report - 2021 DWINSA's findings improvements options & recommendations	June 2023 or as directed by TOCOR

SECTION B - Supplies or Services/Prices

B-1 Local Clauses EPA-B-32-103 LIMITATION OF GOVERNMENT'S OBLIGATION

(a) Severable services may be incrementally funded. Non-severable services shall not be incrementally funded. Contract line item 0001 is severable and may be incrementally funded. For this item, the sum of \$200,000.00 of the total price is presently available for payment and allotted to this item.

(b) For items identified in paragraph (a) of this clause, the Contractor agrees to perform up to the point at which the total amount payable by the Government, including reimbursement in the event of termination of those items for the Government's convenience, approximates the total amount currently allotted for those items to the contract. The Contractor shall not continue work on those items beyond that point. Subject to the clause entitled "Termination for Convenience of the Government," the Government will not be obligated, under any circumstances, to reimburse the Contractor in excess of the amount payable by the Government in the event of the termination of applicable contract line items for convenience including costs, profit, and estimated termination costs for those line items.

(c) Notwithstanding the dates specified in the allotment schedule in paragraph (h) of this clause, the Contractor will notify the Contracting Officer, in writing, at least 10 days prior to the date when, in the Contractor's best judgment, the work will reach the point at which the total amount payable by the Government, including any cost for termination for convenience, will approximate 85 percent of the total amount currently allotted to the contract for performance of the applicable items. The notification will state (1) the estimated date when that point will be reached and (2) an estimate of additional funding, if any, needed to continue performance of the applicable line items up to the next scheduled date for the allotment of funds identified in paragraph (a) of this clause, or to a substitute date as determined by the Government pursuant to paragraph (d) of this clause. If, after such notification, additional funds are not allotted by the date identified in the Contractor's notification, or by an agreed substitute date, the Contracting Officer will terminate any item(s) for which additional funds have not been allotted, pursuant to the clause entitled "Termination for Convenience of the Government."

(d) The parties contemplate that, subject to the availability of appropriations, the Government may allot additional funds for continued performance of the contract line items identified in paragraph (a) of this clause and will determine the estimated period of contract performance which will be covered by the funds. If additional funds are allotted, the Contracting Officer will notify the Contractor in writing. The Contractor shall not resume performance of the contract line items identified in paragraph (a) until the written notice is received. The provisions of paragraphs (b) through (d) of this clause will apply in like manner to the additional allotted funds and to the new estimated period of contract performance. The contract will be modified accordingly.

(e) The Government may, at any time prior to termination, allot additional funds for the performance of the contract line items identified in paragraph (a) of this clause.

(f) The termination provisions of this clause do not limit the rights of the Government under the clause entitled "Default". The provisions of this clause are limited to the work and allotment of funds for the contract line items set forth in paragraph (a) of this clause. This clause no longer applies once the contract is fully funded.

(g) Nothing in this clause affects the right of the Government to otherwise terminate this contract pursuant to the contract clause entitled "Termination for Convenience of the Government".

(h) The parties contemplate that the Government may obligate funds to this contract in accordance with the following schedule:

RECAPITULATION OF FUNDING TO DATE – LINE ITEM 0001

CONTRACT NO. 68HERC21D0006

TASK ORDER NO. 68HERC23F0063

Period of Performance – Dec 1, 2022 – November 30, 2023

<u>FUNDING ACTION</u>	<u>FUNDING</u>
Total Line Item 0001	
Amount:	\$ 624,761.00
Initial Incremental Funding:	\$ 200,000.00
Balance Unfunded	\$ 424,761.00

SECTION F - Deliveries or Performance

F-1 Local Clauses EPA-F-12-101 PERIOD OF PERFORMANCE

The period of performance of this Task Order period (Base Period) shall be from December 1, 2022 through November 30, 2023, inclusive of all required reports.

SECTION G - Contract Administration Data

G-1 Local Clauses EPA-G-42-101 CONTRACT ADMINISTRATION REPRESENTATIVES

Task Order-Level Contracting Officers Representatives (CORs)/Project Officers for this contract are as follows:

Robert Barles, 202-564-3333, barles.robert@epa.gov (TOCOR)

John Towe, 202-564-1946, towe.john@epa.gov (Alternate TOCOR)

Contracting Officials responsible for administering this contract are as follows:

Keith Pfeffer, 513-487-2034, pfeffer.keith@epa.gov (Contracting Officer)

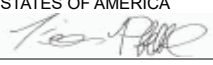
John Krauss, 513-487-2148, krauss.john@epa.gov (Contract Specialist)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES	
				12	
2. AMENDMENT/MODIFICATION NO.		3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ. NO.	
P00001		See Block 16C		5. PROJECT NO. (If applicable)	
6. ISSUED BY		CODE		7. ADMINISTERED BY (If other than Item 6)	
CAD				CODE	
US Environmental Protection Agency					
26 West Martin Luther King Drive					
Mail Code: W136					
Cincinnati OH 45268-0001					
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)		(x)		9A. AMENDMENT OF SOLICITATION NO.	
Cadmus Group LLC, The					
Attn: JOEL DEMASI				9B. DATED (SEE ITEM 11)	
100 5TH AVENUE					
SUITE 100					
WALTHAM MA 024518727		x		10A. MODIFICATION OF CONTRACT/ORDER NO.	
				68HERC21D0006	
				68HERC23F0063	
				10B. DATED (SEE ITEM 13)	
				12/01/2022	
CODE WSEZME8NNBA8		FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended.					
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.					
12. ACCOUNTING AND APPROPRIATION DATA (If required)					
See Schedule					
13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
CHECK ONE					
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
X B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).					
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
D. OTHER (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)					
UEI: WSEZME8NNBA8					
TOCOR: Brad Raszewski Max Expire Date: 11/30/2023 Invoice Approver: Brad Raszewski Alt					
Invoice App: John Towe					
The purpose of this modification is to change the primary TOCOR and primary Invoice Approving Official from Robert Barles to Bradley (Brad) Raszewski.					
All other task order terms and conditions remain unchanged.					
LIST OF CHANGES:					
Continued ...					
Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
		Keith Pfeffer			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA	
(Signature of person authorized to sign)				ELECTRONIC SIGNATURE	
				01/11/2023	
Previous edition unusable		STANDARD FORM 30 (REV. 11/2016)			
		Prescribed by GSA FAR (48 CFR) 53.243			

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC21D0006/68HERC23F0063/P00001	PAGE	OF
		2	2

NAME OF OFFEROR OR CONTRACTOR
Cadmus Group LLC, The

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Reason for Modification: Other Administrative Action</p> <p>Total Amount for this Modification: \$0.00</p> <p>Contracting Officer Representative changed from Robert Barles</p> <p>to Bradley Raszewski</p> <p>Invoice Approving Official changed to : Brad Raszewski</p> <p>Payment:</p> <p>RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711</p> <p>Period of Performance: 12/01/2022 to 11/30/2023</p>				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE		PAGE OF PAGES	
						1 2	
2. AMENDMENT/MODIFICATION NO.		3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
P00002		See Block 16C		PR-OW-23-00369			
6. ISSUED BY		CODE		7. ADMINISTERED BY (If other than Item 6)		CODE	
CAD							
US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001							
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				(x)			
Cadmus Group LLC, The Attn: JOEL DEMASI 100 5TH AVENUE SUITE 100 WALTHAM MA 024518727							
				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				x			
				10A. MODIFICATION OF CONTRACT/ORDER NO.			
				68HERC21D0006			
				68HERC23F0063			
				10B. DATED (SEE ITEM 13)			
				12/01/2022			
CODE WSEZME8NNBA8		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)				Net Increase:		\$200,000.00	
See Schedule							
13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.						
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).						
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:						
X	D. OTHER (Specify type of modification and authority) B-1 Local Clauses EPA-B-32-103 LIMITATION OF GOVERNMENT'S OBLIGATION						
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
UEI: WSEZME8NNBA8							
TOCOR: Brad Raszewski Max Expire Date: 11/30/2023 Invoice Approver: Brad Raszewski Alt							
Invoice App: John Towe							
The purpose of this modification is to add incremental funding in the total Time-and-Materials amount of \$200,000.00 to Line Item 0001.							
See attached Funding Recap Sheet.							
LIST OF CHANGES:							
Obligated Amount for this Modification: \$200,000.00							
Continued ...							
Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				Keith Pfeffer			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
				 (Signature of Contracting Officer)		ELECTRONIC SIGNATURE 02/14/2023	
(Signature of person authorized to sign)							

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE	OF
	68HERC21D0006/68HERC23F0063/P00002	2	2

NAME OF OFFEROR OR CONTRACTOR

Cadmus Group LLC, The

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Incremental Funded Amount changed: from \$200,000.00 to \$400,000.00</p> <p>CHANGES FOR LINE ITEM NUMBER: 1 Obligated Amount for this Modification: \$200,000.00 Incremental Funded Amount changed from \$200,000.00 to \$400,000.00</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 22-E3-40EBA-000B81-2505-2340DWE016-001 Beginning FiscalYear 22 Ending Fiscal Year Fund (Appropriation) E3 Budget Organization 40EBA Program (PRC) 000B81 Budget (BOC) 2505 Job # (Site/Project) Cost Organization DCN-LineID 2340DWE016-001 Quantity: 0 Amount: \$200,000.00</p> <p>Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 12/01/2022 to 11/30/2023</p>				

SECTION B - Supplies or Services/Prices

B-1 Local Clauses EPA-B-32-103 LIMITATION OF GOVERNMENT'S OBLIGATION

(a) Severable services may be incrementally funded. Non-severable services shall not be incrementally funded. Contract line item 0001 is severable and may be incrementally funded. For this item, the sum of **\$400,000.00** of the total price is presently available for payment and allotted to this item.

(b) For items identified in paragraph (a) of this clause, the Contractor agrees to perform up to the point at which the total amount payable by the Government, including reimbursement in the event of termination of those items for the Government's convenience, approximates the total amount currently allotted for those items to the contract. The Contractor shall not continue work on those items beyond that point. Subject to the clause entitled "Termination for Convenience of the Government," the Government will not be obligated, under any circumstances, to reimburse the Contractor in excess of the amount payable by the Government in the event of the termination of applicable contract line items for convenience including costs, profit, and estimated termination costs for those line items.

(c) Notwithstanding the dates specified in the allotment schedule in paragraph (h) of this clause, the Contractor will notify the Contracting Officer, in writing, at least 10 days prior to the date when, in the Contractor's best judgment, the work will reach the point at which the total amount payable by the Government, including any cost for termination for convenience, will approximate 85 percent of the total amount currently allotted to the contract for performance of the applicable items. The notification will state (1) the estimated date when that point will be reached and (2) an estimate of additional funding, if any, needed to continue performance of the applicable line items up to the next scheduled date for the allotment of funds identified in paragraph (a) of this clause, or to a substitute date as determined by the Government pursuant to paragraph (d) of this clause. If, after such notification, additional funds are not allotted by the date identified in the Contractor's notification, or by an agreed substitute date, the Contracting Officer will terminate any item(s) for which additional funds have not been allotted, pursuant to the clause entitled "Termination for Convenience of the Government."

(d) The parties contemplate that, subject to the availability of appropriations, the Government may allot additional funds for continued performance of the contract line items identified in paragraph (a) of this clause and will determine the estimated period of contract performance which will be covered by the funds. If additional funds are allotted, the Contracting Officer will notify the Contractor in writing. The Contractor shall not resume performance of the contract line items identified in paragraph (a) until the written notice is received. The provisions of paragraphs (b) through (d) of this clause will apply in like manner to the additional allotted funds and to the new estimated period of contract performance. The contract will be modified accordingly.

(e) The Government may, at any time prior to termination, allot additional funds for the performance of the contract line items identified in paragraph (a) of this clause.

(f) The termination provisions of this clause do not limit the rights of the Government under the clause entitled "Default". The provisions of this clause are limited to the work and allotment of funds for the contract line items set forth in paragraph (a) of this clause. This clause no longer applies once the contract is fully funded.

(g) Nothing in this clause affects the right of the Government to otherwise terminate this contract pursuant to the contract clause entitled "Termination for Convenience of the Government".

(h) The parties contemplate that the Government may obligate funds to this contract in accordance with the following schedule:

RECAPITULATION OF FUNDING TO DATE – LINE ITEM 0001

CONTRACT NO. 68HERC21D0006

TASK ORDER NO. 68HERC23F0063

Period of Performance – Dec 1, 2022 – November 30, 2023

FUNDING ACTION	FUNDING
Total Line 0001 Amount	\$624,761.00
Initial Funding	\$200,000.00
Incremental Funding (P00002)	\$200,000.00
Balance Unfunded	\$224,761.00

SECTION F - Deliveries or Performance

F-1 Local Clauses EPA-F-12-101 PERIOD OF PERFORMANCE

The period of performance of this Task Order period (Base Period) shall be from December 1, 2022 through November 30, 2023, inclusive of all required reports.

SECTION G - Contract Administration Data

G-1 Local Clauses EPA-G-42-101 CONTRACT ADMINISTRATION REPRESENTATIVES

Task Order-Level Contracting Officers Representatives (CORs)/Project Officers for this contract are as follows:

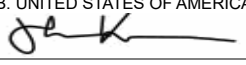
Brad Raszewski, 202-564-8902, raszewski.bradleys@epa.gov (TOCOR)

John Towe, 202-564-1946, towe.john@epa.gov (Alternate TOCOR)

Contracting Officials responsible for administering this contract are as follows:

Keith Pfeffer, 513-487-2034, pfeffer.keith@epa.gov (Contracting Officer)

John Krauss, 513-487-2148, krauss.john@epa.gov (Contract Specialist)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE		PAGE OF PAGES	
						1 2	
2. AMENDMENT/MODIFICATION NO.		3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
P00003		See Block 16C		PR-OW-23-00640			
6. ISSUED BY		CODE		7. ADMINISTERED BY (If other than Item 6)		CODE	
CAD							
US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001							
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				(x)			
Cadmus Group LLC, The Attn: JOEL DEMASI 100 5TH AVENUE SUITE 100 WALTHAM MA 024518727							
				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				x			
				10A. MODIFICATION OF CONTRACT/ORDER NO.			
				68HERC21D0006			
				68HERC23F0063			
				10B. DATED (SEE ITEM 13)			
				12/01/2022			
CODE		WSEZME8NNBA8		FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)				Net Increase:		\$200,000.00	
See Schedule							
13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.						
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).						
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:						
X	D. OTHER (Specify type of modification and authority) B-1 Local Clauses EPA-B-32-103 LIMITATION OF GOVERNMENT'S OBLIGATION						
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
UEI: WSEZME8NNBA8 TOCOR: Brad Raszewski Max Expire Date: 11/30/2023 InvoiceApprover: Brad Raszewski Alt Invoice App: John Towe The purpose of this modification is to add incremental funding in the total Time-and-Materials amount of \$200,000.00 to Line Item 0001. See attached Funding Recap Sheet.							
LIST OF CHANGES:							
Obligated Amount for this Modification: \$200,000.00							
New Total Obligated Amount for this Award: \$600,000.00							
Continued ...							
Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				John Krauss			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
				 (Signature of Contracting Officer)		ELECTRONIC SIGNATURE 04/28/2023	
(Signature of person authorized to sign)							

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC21D0006/68HERC23F0063/P00003	PAGE	OF
		2	2

NAME OF OFFEROR OR CONTRACTOR

Cadmus Group LLC, The

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>CHANGES FOR LINE ITEM NUMBER: 1</p> <p>Obligated Amount for this Modification: \$200,000.00</p> <p>Incremental Funded Amount changed from \$400,000.00 to \$600,000.00</p> <p>NEW ACCOUNTING CODE ADDED:</p> <p>Account code: 23-E3-40EBA-000B81-2505-2340DWE024-001</p> <p>Beginning FiscalYear 23</p> <p>Ending Fiscal Year</p> <p>Fund (Appropriation) E3</p> <p>Budget Organization 40EBA</p> <p>Program (PRC) 000B81</p> <p>Budget (BOC) 2505</p> <p>Job # (Site/Project)</p> <p>Cost Organization</p> <p>DCN-LineID 2340DWE024-001</p> <p>Quantity: 0</p> <p>Amount: \$200,000.00</p> <p>Payment:</p> <p>RTP Finance Center</p> <p>US Environmental Protection Agency</p> <p>RTP-Finance Center (AA216-01)</p> <p>109 TW Alexander Drive</p> <p>www2.epa.gov/financial/contracts</p> <p>Durham NC 27711</p> <p>Period of Performance: 12/01/2022 to 11/30/2023</p>				

SECTION B - Supplies or Services/Prices

B-1 Local Clauses EPA-B-32-103 LIMITATION OF GOVERNMENT'S OBLIGATION

(a) Severable services may be incrementally funded. Non-severable services shall not be incrementally funded. Contract line item 0001 is severable and may be incrementally funded. For this item, the sum of **\$600,000.00** of the total price is presently available for payment and allotted to this item.

(b) For items identified in paragraph (a) of this clause, the Contractor agrees to perform up to the point at which the total amount payable by the Government, including reimbursement in the event of termination of those items for the Government's convenience, approximates the total amount currently allotted for those items to the contract. The Contractor shall not continue work on those items beyond that point. Subject to the clause entitled "Termination for Convenience of the Government," the Government will not be obligated, under any circumstances, to reimburse the Contractor in excess of the amount payable by the Government in the event of the termination of applicable contract line items for convenience including costs, profit, and estimated termination costs for those line items.

(c) Notwithstanding the dates specified in the allotment schedule in paragraph (h) of this clause, the Contractor will notify the Contracting Officer, in writing, at least 10 days prior to the date when, in the Contractor's best judgment, the work will reach the point at which the total amount payable by the Government, including any cost for termination for convenience, will approximate 85 percent of the total amount currently allotted to the contract for performance of the applicable items. The notification will state (1) the estimated date when that point will be reached and (2) an estimate of additional funding, if any, needed to continue performance of the applicable line items up to the next scheduled date for the allotment of funds identified in paragraph (a) of this clause, or to a substitute date as determined by the Government pursuant to paragraph (d) of this clause. If, after such notification, additional funds are not allotted by the date identified in the Contractor's notification, or by an agreed substitute date, the Contracting Officer will terminate any item(s) for which additional funds have not been allotted, pursuant to the clause entitled "Termination for Convenience of the Government."

(d) The parties contemplate that, subject to the availability of appropriations, the Government may allot additional funds for continued performance of the contract line items identified in paragraph (a) of this clause and will determine the estimated period of contract performance which will be covered by the funds. If additional funds are allotted, the Contracting Officer will notify the Contractor in writing. The Contractor shall not resume performance of the contract line items identified in paragraph (a) until the written notice is received. The provisions of paragraphs (b) through (d) of this clause will apply in like manner to the additional allotted funds and to the new estimated period of contract performance. The contract will be modified accordingly.

(e) The Government may, at any time prior to termination, allot additional funds for the performance of the contract line items identified in paragraph (a) of this clause.

(f) The termination provisions of this clause do not limit the rights of the Government under the clause entitled "Default". The provisions of this clause are limited to the work and allotment of funds for the contract line items set forth in paragraph (a) of this clause. This clause no longer applies once the contract is fully funded.

(g) Nothing in this clause affects the right of the Government to otherwise terminate this contract pursuant to the contract clause entitled "Termination for Convenience of the Government".

(h) The parties contemplate that the Government may obligate funds to this contract in accordance with the following schedule:

RECAPITULATION OF FUNDING TO DATE – LINE ITEM 0001

CONTRACT NO. 68HERC21D0006

TASK ORDER NO. 68HERC23F0063

Period of Performance – Dec 1, 2022 – November 30, 2023

FUNDING ACTION	FUNDING
Total Line 0001 Amount	\$624,761.00
Initial Funding	\$200,000.00
Incremental Funding (P00002)	\$200,000.00
Incremental Funding (P00002)	\$200,000.00
Balance Unfunded	\$24,761.00

SECTION F - Deliveries or Performance

F-1 Local Clauses EPA-F-12-101 PERIOD OF PERFORMANCE

The period of performance of this Task Order period (Base Period) shall be from December 1, 2022 through November 30, 2023, inclusive of all required reports.

SECTION G - Contract Administration Data

G-1 Local Clauses EPA-G-42-101 CONTRACT ADMINISTRATION REPRESENTATIVES

Task Order-Level Contracting Officers Representatives (CORs)/Project Officers for this contract are as follows:

Brad Raszewski, 202-564-8902, raszewski.bradleys@epa.gov (TOCOR)

John Towe, 202-564-1946, towe.john@epa.gov (Alternate TOCOR)

Contracting Officials responsible for administering this contract are as follows:

Keith Pfeffer, 513-487-2034, pfeffer.keith@epa.gov (Contracting Officer)

John Krauss, 513-487-2148, krauss.john@epa.gov (Contract Specialist)

ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

1

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IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 01/26/2023	2. CONTRACT NO. (If any) 68HERC21D0006	6. SHIP TO: a. NAME OF CONSIGNEE Standards & Risk Management Div.	
3. ORDER NO. 68HERC23F0064	4. REQUISITION/REFERENCE NO. PR-OW-23-00132		
5. ISSUING OFFICE (Address correspondence to) CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001		b. STREET ADDRESS USEPA Headquarters William Jefferson Clinton Building 1200 Pennsylvania Avenue, N. W. Mail Code: 4607M	
		c. CITY Washington	d. STATE DC
		e. ZIP CODE 20460	
7. TO: JOEL DEMASI		f. SHIP VIA	
a. NAME OF CONTRACTOR Cadmus Group LLC, The		8. TYPE OF ORDER	
b. COMPANY NAME		<input type="checkbox"/> a. PURCHASE REFERENCE YOUR: Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
c. STREET ADDRESS 100 5TH AVENUE SUITE 100		<input checked="" type="checkbox"/> b. DELIVERY Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
d. CITY WALTHAM	e. STATE MA	f. ZIP CODE 024518727	
9. ACCOUNTING AND APPROPRIATION DATA See Schedule		10. REQUISITIONING OFFICE Standards & Risk Management Div.	

11. BUSINESS CLASSIFICATION (Check appropriate box(es))

- ☐ a. SMALL ☒ b. OTHER THAN SMALL ☐ c. DISADVANTAGED ☐ d. WOMEN-OWNED ☐ e. HUBZone
☐ f. SERVICE-DISABLED VETERAN-OWNED ☐ g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM ☐ h. EDWOSB

12. F.O.B. POINT

13. PLACE OF

a. INSPECTION
Destinationb. ACCEPTANCE
Destination

14. GOVERNMENT B/L NO.

15. DELIVER TO F.O.B. POINT
ON OR BEFORE (Date)
02/29/2024

16. DISCOUNT TERMS

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	UEI: WSEZME8NNBA8 TOCOR: Ken Rotert Max Expire Date: 02/29/2024 Invoice Approver: Ken Rotert Alt Invoice App: Ashley Greene Continued ...					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT	19. GROSS SHIPPING WEIGHT	20. INVOICE NO.	\$0.00	17(h) TOTAL (Cont. pages)
	21. MAIL INVOICE TO:				
	a. NAME RTP Finance Center				
	b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts	c. CITY Durham	d. STATE NC	e. ZIP CODE 27711	\$627,554.00

22. UNITED STATES OF

AMERICA BY (Signature)

01/26/2023

23. NAME (Typed)

Keith Pfeffer

TITLE: CONTRACTING/ORDERING OFFICER

ORDER FOR SUPPLIES OR SERVICES
SCHEDULE - CONTINUATION

PAGE NO
2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER	CONTRACT NO.	ORDER NO.
01/26/2023	68HERC21D0006	68HERC23F0064

ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	Admin Office: CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001 Period of Performance: 03/01/2023 to 02/29/2024 Technical support of MDPB II in accordance with the attached Performance Work Statement (PWS) Time-and-Materials Task Order for severable services Product/Service Code: R499 Accounting Info: 23-24-B-40DQ1-000B53-2505-2340SRE005-0 01 BFY: 23 EFY: 24 Fund: B Budget Org: 40DQ1 Program (PRC): 000B53 Budget (BOC): 2505 DCN - Line ID: 2340SRE005-001 Funding Flag: Complete Funded: \$50,000.00					

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$0.00

Performance Work Statement
Contractor: Cadmus
Contract No.: 68HERC21D0006
Task Order: 68HERC23F0064

I. Title: Support for Consideration of MDBP-Related Regulatory Revisions II

II. Estimated Period of Performance (POP):

March 1, 2023 – February 29, 2024

III. Key EPA Personnel:

Task Order Contracting Officer's Representative and Technical Expert (TOCOR):

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Standards and Risk Management Division
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Alternate Task Order Contracting Officer's Representative and Technical Expert (ALT-TOCOR):

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IV. BACKGROUND AND PURPOSE

The 1996 Amendments to the Safe Drinking Water Act (SDWA) require EPA to review each National Primary Drinking Water Regulation (NPDWR) no less often than every six years and revise, as appropriate. This is known as the Six-Year Review, and the requirement is contained in Section 1412(b)(9) of SDWA. Any revisions to existing NPDWRs must maintain, or provide for greater, protection of the health of persons. In the third round of Six-Year Review

(SYR 3) published in January 2017, EPA determined that a group of NPDWRs that are part of the Microbial and Disinfection Byproduct (MDBP) rules are candidates for revision. EPA reviewed 76 NPDWRs and identified eight MDBP NPDWRs as candidates for revision (*Cryptosporidium*, *Giardia lamblia*, heterotrophic bacteria, *Legionella*, viruses, haloacetic acids (HAA5), total trihalomethanes (TTHMs), and chlorite). The rules included in the SYR 3 determination as candidates for revision are the:

- Surface Water Treatment Rules:
 - Surface Water Treatment Rule (SWTR)
 - Interim Enhanced Surface Water Treatment Rule (IESWTR)
 - Long-Term 1 Enhanced Surface Water Treatment Rule (LT1)
- Disinfectant and Disinfection Byproduct Rules (D/DBPRs)
 - Stage 1 Disinfectant and Disinfection Byproduct Rule (Stage 1)
 - Stage 2 Disinfectant and Disinfection Byproduct Rule (Stage 2)

This task order (TO) describes work to be conducted by the contractor to support EPA's effort to explore specific revisions to those regulations that were identified as candidates for revision under SYR 3, as well as the consideration of MDBP-related topics under non-regulatory approaches.

EPA has identified some preliminary priority topics based on the public comments received from the SYR 3 process, newly available information following the SYR 3, and as a result of a series of stakeholder engagements. These topics cover fecal and opportunistic human pathogen and disinfection byproduct (DBP) related issues, potential mechanisms for them to occur in drinking water, means for their control and subsequent risk reduction, and implementation related issues. EPA is considering holistic source to tap approaches to address these concerns. In doing so, contractor support will be requested on data and information collection and analysis on health effects, exposure and risk analysis, control technologies and strategies, baseline conditions, regulatory impact analysis, and other analyses to support the development of regulatory and non-regulatory approaches for addressing these public health concerns. Contractor activities under this TO will also include analytical, logistical, and facilitation support for a working group of the National Drinking Water Advisory Council (NDWAC). The NDWAC has been charged with providing EPA with consensus recommendations and advice on potential revisions to the MDBP Rules.

V. TASKS

The tasks below provide the contractor with a description of the expected deliverables and time frames. Many of the tasks are a continuation of work conducted under a previous contract and/or under Task Order number 68HERC21F0170. As a result, EPA has drafts of many of the deliverables described that need to be completed, updated, or edited for completion. Therefore, these deliverables will not be developed from scratch. EPA will provide the draft materials to the contractor.

Task 1. Monthly progress reports

The contractor shall provide electronic copies of the monthly progress and financial reports to the Contracting Officer, EPA Contract Level COR (CLCOR) (previously titled Project Officer (PO)) and TOCOR. Each progress report shall describe the technical work and expenditures for the same time period as the corresponding invoice. The reports shall list by task the amount of work completed and include a table of hours by personnel for each task. The reports also shall identify problems or difficulties, lessons learned, Quality Assurance (QA)/Quality Control (QC) activities, and next steps. If requested by EPA the contractor shall provide biweekly spending updates, including cost estimates for trailing subcontractor costs.

The contractor shall immediately notify the EPA TOCOR by telephone and e-mail of any problems that may impede performance, impact QA-related activities, and any corrective actions needed to solve the problems. The contractor shall also include this in the Monthly Technical and Cost Progress Reports.

Deliverables and Schedule under Task 1

Task	Deliverable	Due
1	Progress and financial reports, including task and subtask breakdown.	Monthly.
	Calls with EPA.	Bi-weekly, including weekly calls during periods of significant activity.
	Spending updates (if requested by EPA)	Biweekly

Task 2. Quality assurance/quality control

Quality Assurance is an important component of EPA's work to assure that environmental information is appropriate for its intended use. This Task Order (TO) does not require the contractor to collect or obtain field samples. Tasks 3-6 and 8-15 will or may require the contractor to use secondary data. Therefore, consistent with the Agency's (QA) requirements, the contractor shall develop a project-specific quality assurance project plan (PQAPP) to assure that sound quality of the secondary data is used for these tasks. In addition, throughout the course of this call order, if it is determined the PQAPP requires revision, the contractor shall provide necessary changes to the TOCOR.

Deliverables: The contractor shall provide a PQAPP describing the use of secondary environmental data management within two weeks of award, and a revised PQAPP within one week of receiving written comments from the TOCOR.

Task	Deliverables	Due
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2	Draft and Revised PQAPP.	Within 2 weeks of TO award for the draft and within 1 week of receiving written comments from the TOCOR for the revised PQAPP.
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Task 3. Data collection and analysis on disinfectant residuals, finished water storage tanks, and sanitary surveys

The contractor shall assess available data and information that will help EPA determine potential regulatory requirements or changes to existing requirements related to disinfectant residuals, finished water storage tanks, and sanitary surveys. Possible data and information sources include published literature, surveys, Safe Drinking Water Information System (SDWIS) data, Six-Year Review Information Collection Requests (ICRs), Unregulated Contaminant Monitoring Rule (UCMR) datasets, information provided by stakeholders, and state and local datasets.

Subtask 3a: Disinfectant Residuals. For disinfectant residuals the contractor shall support EPA in identifying data gaps and collecting and analyzing data and information associated with varying levels of disinfectant residuals throughout drinking water distribution systems, as well as the heterotrophic plate count (HPC) alternative indicator allowed in the SWTR. For instance, the contractor shall examine disinfectant residual levels throughout the distribution system of detectable, 0.1 mg/L, 0.2 mg/L, and 0.5 mg/L for chlorine, and detectable, 0.2 mg/L, 0.5 mg/L, and 0.7 mg/L for chloramines. The contractor shall also examine the degree to which systems use the HPC alternative indicator and any available data suggesting the microbial composition of these measurements and how effective the established 500 HPC organisms per liter of water concentration is in providing equivalent public health protection as disinfectant residuals. The types of data and information shall include baseline conditions on disinfectant residual or HPC levels required by the states, residual or HPC levels maintained by public water systems, the impact of varying levels on the occurrence of indicators, fecal and opportunistic pathogens, and DBPs. The baseline analysis shall also include potential gaps in public health protection due to the current concentrations of disinfectant residuals and HPC required. The data and information analysis shall also include identifying possible measures for raising and maintaining disinfectant residual levels and conducting a regulatory impact analysis on the costs and benefits of varying concentrations of chlorine and chloramine residuals where information exists to do so. This is the continued analysis of efforts begun on a previous contract and TO 68HERC21F0170, so EPA will provide the contractor with a draft of the materials under development. As the materials under development have been through several iterations no more than one draft is expected to be conducted under this Task Order POP.

Subtask 3b: Finished Water Storage. For finished water storage the contractor shall support EPA in identifying data gaps and collecting and analyzing data and information associated with finished water storage tanks. The types of data and information shall include baseline status of infrastructure condition, storage facility inventories, baseline information on regulatory requirements pertinent to finished water storage (e.g., state required inspection and cleaning frequencies), public health concerns related to finished water storage tanks, and the impact of

varying regulatory and non-regulatory approaches for addressing potential public health risks. The data and information analysis shall also include identifying possible measures taken at a system level to address potential public health risks in storage and conducting a regulatory impact analysis on the costs and benefits of improving public health protection afforded by addressing public health risks posed by finished water storage tanks where information exists to do so. This is the continued analysis of efforts begun on a previous contract and TO 68HERC21F0170, so EPA will provide the contractor with a draft of the materials under development. As the materials under development have been through several iterations, no more than one additional draft is expected to be conducted under this Task Order POP.

Subtask 3c: Sanitary Surveys. For sanitary surveys the contractor shall support EPA's efforts in identifying state recommendations for correcting sanitary survey deficiencies, pertinent state requirements, regulatory implementation issues, potential public health risks from various types of deficiencies, and effective risk management strategies. The contractor shall also analyze the costs and benefits of sanitary survey implementation improvements and the baseline and risk management measures related to public health improvements where information exists to do so. This analysis may also include the costs and benefits of improved regulatory or guidance strategies, such as certified sanitarians and sanitary surveys for building water systems.

Deliverables: The contractor shall provide the results of this data collection and analysis in three documents of an estimated 30-80 pages each (two of which are revised documents of well-developed drafts) and an estimated 4-6 supporting analytical files (e.g., Excel spreadsheets). The contractor shall also provide a revised draft of the regulatory impact analysis document on disinfectant residuals and finished water storage based on comments received by EPA, as well as through the incorporation of data from the 4th Six-Year Review.

Task	Deliverables	Due
3	Revised draft, and final documents and supporting files.	Within one month of the TO award and a kickoff meeting on the subtasks for the revised drafts, and within one additional month after receiving comments on the revised draft materials for the final materials.

Task 4. Data collection and analysis on haloacetic acids, total organic carbon, nitrosamines, and chlorate/chlorite

The contractor shall assess available data and information that will help EPA determine potential regulatory requirements or changes to existing requirements related to HAAs, total organic carbon, nitrosamines, and chlorate/chlorite. Possible data and information sources include published literature, surveys, Safe Drinking Water Information System (SDWIS) data, Six-Year Review ICRs, Unregulated Contaminant Monitoring Rule (UCMR) datasets, information provided by stakeholders, and state and local datasets.

Subtask 4a: Haloacetic Acids. For HAAs the contractor shall support EPA in identifying data gaps and collecting and analyzing data and information associated with occurrence of all nine HAAs or any indicators of them in drinking water. The types of data and information shall include baseline HAA levels found in public water systems, and the associated baseline conditions of occurrence levels. The baseline analysis shall also include characterization and quantification of the potential public health risks due to exposures to levels of HAAs found. The data and information analysis shall also include identifying possible measures for reducing exposure to HAAs and conducting a regulatory impact analysis on the costs and benefits of varying levels at potential regulatory endpoints where information exists to do so. This is the continued analysis of efforts begun on a previous contract and TO 68HERC21F0170, so EPA will provide the contractor with a draft of the materials under development. As the materials under development have been through several iterations, no more than one additional draft is expected to be conducted under this Task Order POP.

Subtask 4b. Total Organic Carbon. For total organic carbon (TOC) the contractor shall support EPA in identifying data gaps and collecting and analyzing data and information associated with source and finished water organics that may serve as DBP precursors or as nutrients for microbial growth in the drinking water system. The types of data and information shall include levels found in drinking water sources and finished water to assess treatment efficiencies, and the impact of source water concentrations and varying regulatory options. The baseline analysis shall also include the potential public health risks due to the potential for DBP formation and microbial growth associated with levels of key organic metric(s) (i.e., TOC). The data and information analysis will also include identifying possible measures for reducing precursor levels and conducting a regulatory impact analysis on the costs and benefits of varying levels of potential regulation under consideration where information exists to do so. This is the continued analysis of efforts begun on a previous contract and TO 68HERC21F0170, so EPA will provide the contractor with a draft of the materials under development. As the materials under development have been through several iterations, no more than one additional draft is expected to be conducted under this TO POP.

Subtask 4c. Nitrosamines. For nitrosamines the contractor shall support EPA in identifying data gaps and collecting and analyzing data and information associated with occurrence of nitrosamines in drinking water. The types of data and information include baseline nitrosamine levels found in public water systems, and conditions associated with the occurrence levels. The baseline analysis will also include characterization and quantification of the potential public health risks due to exposure to the current levels of nitrosamines found. The data and information analysis will also include identifying possible measures for reducing exposure to nitrosamines and conducting a regulatory impact analysis on the costs and benefits of varying levels at potential regulatory endpoints under consideration where information exists to do so. This is the continued analysis of efforts begun on a previous contract and TO 68HERC21F0170, so EPA will provide the contractor with a draft of the materials under development. As the materials under development have been through several iterations, no more than 1-2 additional drafts are expected to be conducted under this Task Order POP.

Subtask 4d. Chlorate/chlorite.

For chlorate/chlorite the contractor shall support EPA in identifying data gaps and collecting and analyzing data and information associated with occurrence and co-occurrence of chlorate and chlorite in drinking water. The types of data and information include baseline chlorate and chlorite levels found in public water systems, and the conditions associated with occurrence levels. The baseline analysis will also include characterization and quantification of the potential public health risks due to the exposure to current levels of chlorate and chlorite found. The data and information analysis may also include identifying possible measures for reducing exposure to chlorate and chlorite and conducting a regulatory impact analysis on the costs and benefits of varying levels at potential regulatory endpoints under consideration where information exists to do so. This is the continued analysis of efforts begun on a previous contract and TO 68HERC21F0170, so EPA will provide the contractor with a draft of the materials under development.

Deliverables: The contractor shall provide the results of this data collection and analysis in as many as four documents of an estimated 20-60 pages each and an estimated 4-8 supporting analytical files (e.g., Excel spreadsheets). The contractor shall also provide a revised draft of each of the draft documents based on comments received by EPA, as well as through the incorporation of data from the 4th Six-Year Review.

Task	Deliverables	Due
4	Revised draft, and final documents and supporting files.	Within one month of the TO award and a kickoff meeting on the subtasks for the drafts, and within one additional month after receiving comments on the revised draft materials for the final materials.

Task 5. Data collection and analysis on a distribution system toolbox

The contractor shall support EPA in developing six distribution system fact sheets, by ensuring the fact sheets are 508 compliant. Additionally, the contractor shall revise a draft pressure document provided by EPA. The pressure document under development has been through several iterations, so no more than one additional draft is expected under this Task Order POP. This is the continued analysis of efforts begun on a previous contract and TO 68HERC21F0170, so EPA will provide the contractor with a draft of the materials under development. Additionally, if requested by EPA the contractor shall develop a distribution system document identifying data gaps and collecting and analyzing data and information associated with tools that can be used to protect drinking water quality in distribution systems. The data and information shall include baseline status of distribution system infrastructure, baseline information on regulatory requirements pertinent to distribution systems, assessments of the effectiveness and use of distribution system related tools, and the impact of regulatory and non-regulatory approaches for addressing potential public health risks. The data and information analysis shall also include

identifying possible measures taken at a system level to address potential public health risks from distribution systems. Possible data and information sources include published literature, surveys, Six-Year Review ICRs, information provided by stakeholders, and state and local datasets.

Deliverables: The contractor shall provide six 508 compliant fact sheets. The contractor shall also provide a final draft pressure document of an estimated 40 pages. If requested by EPA, the contractor shall provide a draft distribution system document of an estimated 30-60 pages, and an estimated 2-4 supporting analytical files (e.g., Excel spreadsheets).

Task	Deliverables	Due
5	Draft and final documents, supporting files, and fact sheets.	Within one month of the TO award and a kickoff meeting on the task for the drafts, and within two additional weeks after receiving comments on the draft materials for the revised draft or final materials.

Task 6. Development of a Water Safety Plan (WSP) approach and document

The contractor shall support EPA in the development of a WSP approach and document focusing on source-to-tap exposure to potential drinking water risks. The contractor shall update a well-refined draft document provided by EPA to account for comments received from EPA management as well as from collaboration with key stakeholders who may be involved in its development. The types of information to include in updates to the document include case studies on WSP usage, effectiveness of the usage of WSPs and its elements, key implementation challenges in using WSPs, and success stories related to public health improvements or other benefits. Possible information sources to support the development of the approach and document include published literature, surveys, international experiences, information provided by stakeholders, and state and local information. This is the continuation of an effort begun on a previous contract and TO 68HERC21F0170, so EPA will provide the contractor with a draft of the materials under development.

Deliverables: The contractor shall provide a revised document of an estimated 60-150 pages and an estimated 3-6 supporting analytical files.

Task	Deliverables	Due
6	Draft and final document.	Within two months of the TO award and a kickoff meeting on the task for the draft, and within one additional month after receiving comments on the draft materials for the final documents.

Task 7. National Drinking Water Advisory Council Working Group logistical and planning support

The contractor shall provide logistical and, if requested by EPA, planning support for approximately seven to eight meetings of a National Drinking Advisory Council (NDWAC) Working Group (WG). The NDWAC WG was formed to provide the NDWAC with advice and recommendations to explore specific issues and identify potential MDBP rule revision options for the Council to consider in making recommendations to EPA. Logistical support may include arranging for virtual meeting platforms, notetaking, attendee registration assistance, meeting attendance management, virtual platform troubleshooting, and other related support. Planning support may include scheduling, meeting sequencing, and supporting technical analyst discussions. In the event any of the meetings are held in person logistical support may also include audio-visual assistance, and other related in-person support. EPA expects the majority of the meetings to be five to six hours in duration. EPA also expects on meeting to be conducted in person, with the remainder conducted through virtual meeting platforms. If any meeting is expected to incur a cost of \$20,000 or more, the contractor will immediately notify EPA of this expected cost. Expenses for travel, and any other related labor or direct costs that will be funded by EPA should be included in this estimate.

Deliverables: For each meeting the contractor shall provide draft and final meeting summaries.

Task	Deliverables	Due
7	Draft and final meeting summaries.	No later than two weeks following each meeting for draft deliverables and two additional weeks following each meeting for final deliverables.

Task 8. Identification and analysis of MDBP Rules implementation related issues

The contractor shall support EPA in the identification and analysis of implementation and, if requested by EPA, compliance related issues with the MDBP Rules under consideration. The issues include issues identified by the EPA team, the EPA internal working group, and the external stakeholder community. These may include DBP monitoring provisions for consecutive systems, effective application of seasonal chlorination (aka chlorine burn), turbidity limit compliance calculations, consideration of spores as a parameter to determine whether a ground water system is under the direct influence of surface water, SDWIS-related data management, addressing drinking water quality concerns in building water systems, the consideration of analytical methods issues, and compliance analysis. The analyses may include determining baseline public health, economic and compliance conditions, as well as the potential for addressing these implementation-related issues through regulatory or non-regulatory means where information exists to do so. If requested by EPA, analyses may also include the impacts on disadvantaged communities. Possible data and information sources include published literature, surveys, Six-Year Review ICRs, the Unregulated Contaminant Monitoring Rule (UCMR) dataset, SDWIS, information provided by stakeholders, and state and local datasets. The contractor shall develop initial and revised draft documents describing the issues, the analyses

conducted, and the analytical outcomes. The contractor shall also provide supporting information used in conducting the analyses (e.g., spreadsheets).

Deliverables: The contractor shall provide initial and revised draft documents of an estimated 10-20 pages, and an estimated 2-3 supporting analytical files.

Task	Deliverables	Due
8	Initial and revised draft documents and supporting files.	Within two months of the TO award and a kickoff meeting on the task for the draft, and within one additional month after receiving comments on the draft materials for the revised draft document.

Task 9. Identification and analysis of potential strategies for addressing potential MDBP contaminants from source water impacts

The contractor shall identify strategies for addressing source water impacts related to MDBP contaminants. These may include strategies to prevent and mitigate impacts of point and nonpoint source pollution including nutrient impacts, DBP precursors, cyanobacteria and cyanotoxins, direct potable reuse issues, and mischaracterized Ground Water Under the Direct Influence of Surface Water (GWUDI) systems. The analyses may include compilation and synthesis of existing primacy agency requirements or recommendations, industry standards, international practices, and case studies to explore the feasibility and effectiveness of the strategies. The contractor shall update related materials that were previously developed under other contracts or TOs where applicable, as well as provide for additional analyses to support the updated materials. Possible information sources include published literature, surveys, international experiences, information provided by stakeholders, and state and local information. EPA will provide the contractor with a draft of the materials under development as applicable.

Deliverables: The contractor shall provide a revised document of approximately 30-60 pages, and an estimated 4-6 supporting analytical files.

Task	Deliverables	Due
9	Revised draft and final document and supporting materials.	Within one month of the TO award and a kickoff meeting on the task for the revised drafts, and within one additional month after receiving comments on the revised draft materials for the final documents.

Task 10. Data collection and analysis of microbial contaminants of emerging concern

The contractor shall support EPA in developing background information on health effects, health

impacts (e.g., outbreaks), linkages to drinking water, control strategies and other information associated with microbial contaminants of emerging concern. These contaminants include *Legionella*, *Mycobacterium avium* Complex (MAC), *Pseudomonas aeruginosa*, and selected enteric bacteria and viruses. Possible data and information sources include published literature, surveys, Six-Year Review ICRs, information provided by stakeholders, and state and local datasets. This is the continued analysis of efforts begun on a previous contract and TO 68HERC21F0170, so EPA will provide the contractor with a draft of the materials under development, which are currently well refined.

Deliverables: The contractor shall provide a final document based on EPA management review of an estimated 80 pages and access to reference materials used in developing the document.

Task	Deliverables	Due
10	Final document and supporting reference materials.	Within two weeks of the TO award and a kickoff meeting on the final materials.

Task 11. Regulatory Development Administrative Support

The contractor shall support EPA in the development of documents, fact sheets, presentations, and briefing materials to be used during the regulatory development process for internal engagement with management and other EPA offices, as well as external engagement with Federal partners.

Deliverables: The contractor shall provide an estimated 3-6 documents of an estimated 5-10 pages, 3-6 fact sheets of an estimated 1-2 pages, two outlines, 2-4 presentations of an estimated 15-20 slides, and 2-3 briefing materials of an estimated 1-2 pages.

Task	Deliverables	Due
11	Draft and final documents, fact sheets, presentations, and briefing materials.	Within two weeks of the TO award and a kickoff meeting on the task for the drafts, and within one additional week after receiving comments on the draft documents, fact sheets, presentations, and materials.

Task 12. Development of Occurrence Documents

The contractor shall develop draft occurrence documents to support potential revisions to the MDBP regulations included in this TO. The occurrence documents shall describe and analyze the occurrence of the contaminants, contaminant indicators, and conditions that may enable contaminants to be present in finished drinking water using published literature, data collection and monitoring efforts, and other relevant information.

Task 12a. Microbial Occurrence Document

The contractor shall develop a draft national occurrence estimate of *Legionella*, *Mycobacterium avium* Complex (MAC), and *P. aeruginosa* in drinking water distribution systems, and describe the occurrence in a draft microbial occurrence document in support of potential revisions to the SWTR, the IESWTR, and LT1. This occurrence document shall also compile and analyze information on the prevalence of indicators and factors that can affect the occurrence of the microbes. These factors include disinfectant residuals (and their relationships with indicator parameters), water age, corrosion control practices, and the presence of sediments. The contractor shall conduct side-by-side analyses of these factors as they relate to microbial occurrence, including uncertainty and a sensitivity analysis. As part of this effort the contractor shall estimate the actual or potential occurrence of the microbes described above by modeling their occurrence (including a potential meta-analysis). The contractor shall examine a prior EPA drinking water microbial occurrence document for additional guidance on information to include in the document. The contractor shall provide an interim draft document, along with the supporting materials. This is the continued analysis of efforts begun on a previous TO, so EPA will provide the contractor with a draft of the materials under development.

Task 12b. DBP Occurrence Document

The contractor shall develop an occurrence estimate of specific regulated and unregulated DBPs of concern and describe these in a draft DBP occurrence document to estimate the national occurrence of selected DBPs and their precursors (including HAA9, TOC, nitrosamines, and chlorate/chlorite) in support of potential revisions to the Stage 1 and Stage 2 Rules. This occurrence document shall compile and analyze relevant information on these DBPs, as well as information on the prevalence of factors that can affect their occurrence and co-occurrence. These factors include disinfectant residuals, water age, and precursor concentrations. The contractor shall conduct side-by-side analyses of these factors as they relate to DBP occurrence, including uncertainty and a sensitivity analysis. As part of this effort the contractor shall develop (or estimate if necessary) national occurrence baselines and reductions to the baselines of DBPs of concern and their precursors. The contractor shall examine a prior EPA drinking water DBP occurrence document for additional guidance on information to include in the document. The contractor shall also use a draft DBP occurrence outline as a starting point. The contractor shall provide an interim draft document, along with the supporting materials. This is the continued analysis of efforts begun on a previous TO, so EPA will provide the contractor with a draft of the materials under development.

Task	Deliverables	Due
12	Draft documents and supporting materials.	Within two months of receiving EPA comments on draft documents for revised documents.

Task 13. Development of Exposure and Risk Assessment Documents

The contractor shall develop draft exposure and risk assessment documents in support of

potential revisions to the MDBP regulations included in this task order. The exposure and risk assessment documents shall describe and analyze the estimated national level exposures and risks from the contaminants and conditions that may contribute to their presence using information derived from published literature, past models, occurrence estimates from Task 12, and other relevant information.

Task 13a. Microbial Exposure and Risk Assessment Document

The contractor shall develop an exposure and risk estimate on *Legionella*, MAC, and *P. aeruginosa* and describe these in a draft microbial exposure and risk assessment document to estimate the national risks of microbes of concern in support of potential revisions to the SWTR, the IESWTR, and LT1, as well as surrogate parameters (e.g., disinfectant residuals). This document shall compile, model, and analyze information using occurrence estimates developed under Task 12, and shall consider uncertainty and sensitivity analyses. The assessment shall also include a qualitative assessment of outbreak and epidemiological information. The contractor shall examine a prior EPA drinking water microbial exposure and risk assessment document for additional guidance on information to include in the document. The contractor shall provide an interim draft document, along with the supporting materials. This is the continued analysis of efforts begun on a previous TO, so EPA will provide the contractor with a draft of the materials under development.

Task 13b. DBP Exposure and Risk Assessment Document

The contractor shall develop an exposure and risk estimate on specific regulated and unregulated DBPs of concern and describe these in a draft DBP exposure and risk assessment document to estimate the national risks of selected DBPs (HAA9, nitrosamines, and chlorate/chlorite), and precursor impacts in support of potential revisions to the Stage 1 and Stage 2 Rules. This document shall compile and analyze relevant information on these DBPs using national occurrence baselines and reductions developed under Task 12 and shall consider uncertainty and sensitivity analyses. The assessment shall also include a qualitative assessment of epidemiological information. The contractor shall examine the DBP exposure and risk assessment in the Stage 2 DBPR EA document for additional guidance on information to include in the document. The contractor shall provide an interim draft document, along with the supporting materials. This is the continued analysis of efforts begun on a previous TO, so EPA will provide the contractor with a draft of the materials under development.

Task	Deliverables	Due
13	Draft documents and supporting materials.	Within two months of receiving EPA comments on draft documents for revised documents.

Task 14. Development of Technology and Cost Document

The contractor shall develop a draft technology and cost document in support of potential revisions to the MDBP regulations included in this TO. The technology and cost document shall

describe and analyze the technologies that can be used to reduce the contaminants of concern or the factors that affect their occurrence that are addressed under the MDBP regulations in this task order. This includes compiling information on the use and effectiveness of the technologies, the unit capital, operations and management, and labor costs for the technologies, and potential unintended consequences from the use of the technologies. The contractor shall consider uncertainty analyses related to the technologies. The information shall be from published literature, vendor information, and other sources. The contractor shall develop an assessment of technologies for addressing the potential microbial and DBP risks derived under Task 13, along with the unit capital, operations and management, and labor costs for these technologies. The contractor shall compile, model, and analyze unit cost information relevant to reduction of MDBP contaminant occurrence or formation and their precursors or surrogate indicators and present the information in a Technology and Cost document describing the information and assessment to support potential revisions to the SWTR, the IESWTR, LT1, and the Stage 1 and Stage 2 D/DBPRs. The contractor shall examine a prior EPA drinking water technology and cost document for additional guidance on information to include in the document. The contractor shall provide an interim draft document, along with the supporting materials.

Task	Deliverables	Due
14	Draft document and supporting materials.	Within two months of receiving EPA comments on draft document for a revised document.

Task 15. Development of Monitoring and Reporting Document

The contractor shall develop a draft monitoring and reporting document in support of potential revisions to the MDBP regulations included in this TO. The monitoring and reporting document shall describe and analyze the monitoring approaches and analytical methods relevant to the contaminants of concern that are addressed under the MDBP regulations in this TO. Relevant methods to be included are those related to the microbes and DBPs of concern described in Task 12, their indicators, surrogate parameters, and control technologies (e.g., disinfectant residuals). This shall include monitoring approaches (e.g., at consecutive system interconnections) and analytical methods for surrogate parameters. The documents shall also describe effective mechanisms for reporting the monitoring results (e.g., state reporting, public reporting, system to system reporting). The information shall be from published literature, materials on approved methods (e.g., Federal Register Notices), and other sources. The contractor shall examine a prior EPA drinking water monitoring and reporting document for additional guidance on information to include in the document. The contractor shall provide an interim draft document, along with the supporting materials.

Task	Deliverables	Due
15	Draft document and supporting materials.	Within two months of receiving EPA comments on draft document for a revised document.

Task 16. NDWAC WG Analytical Support

The contractor shall provide targeted analytical support for EPA resulting from NDWAC WG discussions and deliberations. This may include support in conducting technical analyses requested by NDWAC WG members or additional analyses identified by EPA during the NDWAC WG deliberations. The efforts under this task may include the support in the development of presentations, fact sheets, or other materials, and will use information from published or in-process EPA materials, publicly available information, or information suggested by the NDWAC WG (or recommended technical experts) to inform the development of the materials. If requested by EPA, this task will also include technical analyses of national datasets and other data sources (e.g., microbial occurrence) on contaminants of concern. EPA expects that this support may include 6-10 short presentations (10-15 slides each), and 3-5 fact sheets or other materials of 2-3 pages each.

Task	Deliverables	Due
16	Draft presentations, fact sheets, or other materials.	Within two weeks of EPA approval of pursuing NDWAC WG requests for draft materials, and within one week of receiving EPA comments on final materials.

Task 17. NDWAC WG Facilitation Support

The contractor shall provide for facilitation and, if requested by EPA, planning support services for a NDWAC WG EPA has convened to provide consensus recommendations and advice on potential MDBP regulatory revisions, as well as non-regulatory approaches for addressing topics of interest. If necessary, the services provided shall include continued development of a convening report, and facilitation plan. If requested by EPA the services may include the development of a recommendations report, and planning support to the NDWAC WG. The convening report will include information input obtained during stakeholder interviews, feedback from stakeholder meetings held by EPA and NDWAC WG deliberations, information submitted to the docket, comments received on relevant EPA publications (e.g., Six-Year Review 3), and other relevant feedback. The facilitation plan will include information related to obtaining stakeholder input during NDWAC WG discussions that are anticipated to meet approximately 7-8 times by the end of the option period. The facilitation contractor shall plan for one in-person meeting of 2.5 days in duration for two travelers. The remainder of the meetings will be virtual. If requested by EPA, a recommendations report would include recommendations from the NDWAC WG to the NDWAC.

Task	Deliverables	Due
17	Interim, and final draft convening report, facilitation plan, and	Within one month of a kickoff meeting on the interim draft convening report, and within two

	supporting materials. If requested by EPA a recommendations report.	weeks of receiving EPA comments on the interim draft for the final draft. Within two weeks of a kickoff meeting for an interim draft facilitation plan, and within one week of receiving EPA comments on the interim plan for the and final draft facilitation plan. If a recommendations report is requested by EPA, the report would be on similar development and review timeframes as the convening report.
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General Requirements of the Task Order and Schedule

Work conducted under this Task Order shall not duplicate work conducted under any other Task Order or Work Assignment under any other contract.

Confidential Business Information (CBI): For this Task Order, the contractor shall not be accessing any Confidential Business Information (CBI).

Identification as Contracting Staff: To avoid the perception that contractor personnel are EPA employees, the contractor personnel shall be clearly identified as independent contractors of EPA when participating in events with outside parties and prior to the start of any meeting. The contractor personnel are prohibited from acting as the Agency's official representative. When speaking with the public, the contractor shall refer all interpretations of policy to the TOCOR.

Limitation of Contractor Activities: The contractor shall submit drafts of all deliverables to the TOCOR for review prior to submission of the final product. These drafts will clearly specify the methods, procedures, considerations, assumptions, relevant citations, data sources and data that support any conclusions and recommendations. The contractor shall incorporate all TOCOR and EPA team member comments into all final deliverables, unless otherwise agreed upon by the TOCOR or where discrepancies exist. The contractor shall adhere to all applicable EPA management control procedures as implemented by the EPA Contracting Officer (CO), Project Officer (PO), and TOCOR.

Quick Response: Under this Performance Work Statement (PWS), the contractor may be required to provide information for use by EPA for quick responses and analyses of options, issues, and policy decisions. Quick responses are those which require completion in one to five working days.

Travel: Minimal travel may occur for one NDWAC WG meetings under this Performance Work

Statement (PWS). Anticipate a 2.5-day meeting with two travelers.

Deliverable Formatting: All memos, draft comments, summaries and responses, chapters, and presentations are to be provided in electronic form using Word and/or Excel/Access, Power Point, or, in special cases another software program agreed to by the TOCOR. Memos are to be written in a manner which will make them easy to conform into draft chapters for the Final Report. For deliverables that are in Word or pdf versions of Word documents that are intended to be shared with management or the public, the contractor shall use decimal align in all tables containing columns of numbers of varying digits, whether decimal places are reported or not. All final materials, e.g., memos, chapters, etc. are to be compliant with Section 508 Amendment to the Rehabilitation Act of 1973.

VI. DELIVERABLES

All deliverables shall be in accordance with the contract level PWS, Section F.

Task	Deliverables	Due
1	Progress and financial reports, including task and subtask breakdown.	Monthly.
	Calls with EPA.	Bi-weekly, including weekly calls during periods of significant activity.
	Spending updates (if requested by EPA)	Biweekly
2	Draft and Revised PQAPP.	Within 2 weeks of TO award for the draft and within 1 week of receiving written comments from the TOCOR for the revised PQAPP.
3	Revised draft documents and supporting files.	Within one month of the TO award and a kickoff meeting on the subtasks for the revised drafts.
4	Revised draft documents and supporting files.	Within one month of the TO award and a kickoff meeting on the subtasks for the drafts.
5	Draft and final documents, supporting files, and 508 compliant fact sheets.	Within one month of the TO award and a kickoff meeting on the task for the drafts, and within two additional weeks after receiving comments on the draft materials for the revised draft or final materials.
6	Draft and final document.	Within two months of the TO award and a kickoff meeting on the task for the draft, and within one additional month after receiving comments on the draft materials for the final

		documents.
7	Draft and final meeting summaries.	No later than two weeks following each meeting for draft deliverables and two additional weeks following each meeting for final deliverables.
8	Initial and revised draft documents and supporting files.	Within two months of the TO award and a kickoff meeting on the task for the draft, and within one additional month after receiving comments on the draft materials for the revised draft document.
9	Revised draft and final document and supporting materials.	Within one month of the TO award and a kickoff meeting on the task for the revised drafts, and within one additional month after receiving comments on the revised draft materials for the final documents.
10	Final document and supporting reference materials.	Within two weeks of the TO award and a kickoff meeting on the final materials.
11	Draft and final documents, fact sheets, presentations, and briefing materials.	Within two weeks of the TO award and a kickoff meeting on the task for the drafts, and within one additional week after receiving comments on the draft documents, fact sheets, presentations, and materials.
12	Draft document and supporting materials.	Within two months of receiving EPA comments on draft document for revised document.
13	Draft document and supporting materials.	Within two months of receiving EPA comments on draft document for revised document.
14	Draft document and supporting materials.	Within two months of receiving EPA comments on draft document for revised document.
15	Draft document and supporting materials.	Within two months of receiving EPA comments on draft document for revised document.
16	Draft presentations, fact sheets, or other materials.	Within two weeks of EPA approval of pursuing NDWAC WG requests for draft materials, and within one week of receiving EPA comments on final materials.
17	Interim, and final draft convening report, facilitation plan, and supporting materials. If requested by	Within one month of a kickoff meeting on the interim draft convening report, and within two weeks of receiving EPA comments on the

	EPA a recommendations report.	interim draft for the final draft. Within two weeks of a kickoff meeting for an interim draft facilitation plan, and within one week of receiving EPA comments on the interim plan for the and final draft facilitation plan. If a recommendations report is requested by EPA, the report would be on similar development and review timeframes as the convening report.
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SECTION B - Supplies or Services/Prices

B-1 Local Clauses EPA-B-32-103 LIMITATION OF GOVERNMENT'S OBLIGATION

- (a) Severable services may be incrementally funded. Non-severable services shall not be incrementally funded. Contract line item 0001 is severable and may be incrementally funded. For this item, the sum of **\$50,000.00** of the total price is presently available for payment and allotted to this item.
- (b) For items identified in paragraph (a) of this clause, the Contractor agrees to perform up to the point at which the total amount payable by the Government, including reimbursement in the event of termination of those items for the Government's convenience, approximates the total amount currently allotted for those items to the contract. The Contractor shall not continue work on those items beyond that point. Subject to the clause entitled "Termination for Convenience of the Government," the Government will not be obligated, under any circumstances, to reimburse the Contractor in excess of the amount payable by the Government in the event of the termination of applicable contract line items for convenience including costs, profit, and estimated termination costs for those line items.
- (c) Notwithstanding the dates specified in the allotment schedule in paragraph (h) of this clause, the Contractor will notify the Contracting Officer, in writing, at least 10 days prior to the date when, in the Contractor's best judgment, the work will reach the point at which the total amount payable by the Government, including any cost for termination for convenience, will approximate 85 percent of the total amount currently allotted to the contract for performance of the applicable items. The notification will state (1) the estimated date when that point will be reached and (2) an estimate of additional funding, if any, needed to continue performance of the applicable line items up to the next scheduled date for the allotment of funds identified in paragraph (a) of this clause, or to a substitute date as determined by the Government pursuant to paragraph (d) of this clause. If, after such notification, additional funds are not allotted by the date identified in the Contractor's notification, or by an agreed substitute date, the Contracting Officer will terminate any item(s) for which additional funds have not been allotted, pursuant to the clause entitled "Termination for Convenience of the Government."
- (d) The parties contemplate that, subject to the availability of appropriations, the Government may allot additional funds for continued performance of the contract line items identified in paragraph (a) of this clause and will determine the estimated period of contract performance which will be covered by the funds. If additional funds are allotted, the Contracting Officer will notify the Contractor in writing. The Contractor shall not resume performance of the contract line items identified in paragraph (a) until the written notice is received. The provisions of paragraphs (b) through (d) of this clause will apply in like manner to the additional allotted funds and to the new estimated period of contract performance. The contract will be modified accordingly.
- (e) The Government may, at any time prior to termination, allot additional funds for the performance of the contract line items identified in paragraph (a) of this clause.
- (f) The termination provisions of this clause do not limit the rights of the Government under the clause entitled "Default". The provisions of this clause are limited to the work and allotment of funds for the contract line items set forth in paragraph (a) of this clause. This clause no longer applies once the contract is fully funded.
- (g) Nothing in this clause affects the right of the Government to otherwise terminate this contract pursuant to the contract clause entitled "Termination for Convenience of the Government".
- (h) The parties contemplate that the Government may obligate funds to this contract in accordance with the following schedule:

RECAPITULATION OF FUNDING TO DATE
CONTRACT NO. 68HERC21D0006
TASK ORDER NO. 68HERC23F0064

Period of Performance – 3/01/2023 through 2/29/2024

FUNDING ACTION	FUNDING
Total Line 0001 Amount	\$627,554.00
Initial Funding	\$50,000.00
Balance Unfunded	\$577,554.00

SECTION F - Deliveries or Performance

F-1 Local Clauses EPA-F-12-101 PERIOD OF PERFORMANCE

The base period of performance of this Task Order period shall be from March 1, 2023 through February 29, 2024, inclusive of all required reports.

SECTION G - Contract Administration Data

G-1 Local Clauses EPA-G-42-101 CONTRACT ADMINISTRATION REPRESENTATIVES

Task Order-Level Contracting Officers Representatives (CORs)/Project Officers for this contract are as follows:

Ken Rotert, 202-564-5280, email: rotert.kenneth@epa.gov (TOCOR)

Ashley Greene, 202-566-1738, email: greene.ashley@epa.gov (Alternate TOCOR)

Contracting Officials responsible for administering this contract are as follows:

Keith Pfeffer, 513-487-2034, pfeffer.keith@epa.gov (Contracting Officer)

John Krauss, 513-487-2148, krauss.john@epa.gov (Contract Specialist)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE		PAGE OF PAGES	
						1 2	
2. AMENDMENT/MODIFICATION NO.		3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
P00001		See Block 16C		PR-OW-23-00539			
6. ISSUED BY		CODE		7. ADMINISTERED BY (If other than Item 6)		CODE	
CAD							
US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001							
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				(x)			
Cadmus Group LLC, The Attn: JOEL DEMASI 100 5TH AVENUE SUITE 100 WALTHAM MA 024518727							
				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				x			
				10A. MODIFICATION OF CONTRACT/ORDER NO.			
				68HERC21D0006			
				68HERC23F0064			
				10B. DATED (SEE ITEM 13)			
				01/26/2023			
CODE		WSEZME8NNBA8		FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)				Net Increase:		\$350,000.00	
See Schedule							
13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
CHECK ONE		A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
		B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).					
		C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
X		D. OTHER (Specify type of modification and authority) B-1 Local Clauses EPA-B-32-103 LIMITATION OF GOVERNMENT'S OBLIGATION					
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
UEI: WSEZME8NNBA8							
TOCOR: Ken Rotert Max Expire Date: 02/29/2024 Invoice Approver: Ken Rotert Alt Invoice App: Ashley Greene							
The purpose of this modification is to add incremental funding in the total Time-and-Materials amount of \$350,000.00 to Line Item 0001 (Base Period). See attached Funding Recap Sheet.							
LIST OF CHANGES:							
Reason for Modification: Funding Only Action							
Continued ...							
Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				Keith Pfeffer			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
				 (Signature of Contracting Officer)		ELECTRONIC SIGNATURE 04/04/2023	
(Signature of person authorized to sign)							

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC21D0006/68HERC23F0064/P00001	PAGE	OF
		2	2

NAME OF OFFEROR OR CONTRACTOR
Cadmus Group LLC, The

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Obligated Amount for this Modification: \$350,000.00 Incremental Funded Amount changed: from \$50,000.00 to \$400,000.00</p> <p>CHANGES FOR LINE ITEM NUMBER: 1 Obligated Amount for this Modification: \$350,000.00 Incremental Funded Amount changed from \$50,000.00 to \$400,000.00</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 23-24-B-40DQ1-000B53-2505-2340SRE023-001 Beginning FiscalYear 23 Ending Fiscal Year 24 Fund (Appropriation) B Budget Organization 40DQ1 Program (PRC) 000B53 Budget (BOC) 2505 Job # (Site/Project) Cost Organization DCN-LineID 2340SRE023-001 Quantity: 0 Amount: \$350,000.00</p> <p>Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 03/01/2023 to 02/29/2024</p>				

SECTION B - Supplies or Services/Prices

B-1 Local Clauses EPA-B-32-103 LIMITATION OF GOVERNMENT'S OBLIGATION

(a) Severable services may be incrementally funded. Non-severable services shall not be incrementally funded. Contract line item 0001 is severable and may be incrementally funded. For this item, the sum of **\$400,000.00** of the total price is presently available for payment and allotted to this item.

(b) For items identified in paragraph (a) of this clause, the Contractor agrees to perform up to the point at which the total amount payable by the Government, including reimbursement in the event of termination of those items for the Government's convenience, approximates the total amount currently allotted for those items to the contract. The Contractor shall not continue work on those items beyond that point. Subject to the clause entitled "Termination for Convenience of the Government," the Government will not be obligated, under any circumstances, to reimburse the Contractor in excess of the amount payable by the Government in the event of the termination of applicable contract line items for convenience including costs, profit, and estimated termination costs for those line items.

(c) Notwithstanding the dates specified in the allotment schedule in paragraph (h) of this clause, the Contractor will notify the Contracting Officer, in writing, at least 10 days prior to the date when, in the Contractor's best judgment, the work will reach the point at which the total amount payable by the Government, including any cost for termination for convenience, will approximate 85 percent of the total amount currently allotted to the contract for performance of the applicable items. The notification will state (1) the estimated date when that point will be reached and (2) an estimate of additional funding, if any, needed to continue performance of the applicable line items up to the next scheduled date for the allotment of funds identified in paragraph (a) of this clause, or to a substitute date as determined by the Government pursuant to paragraph (d) of this clause. If, after such notification, additional funds are not allotted by the date identified in the Contractor's notification, or by an agreed substitute date, the Contracting Officer will terminate any item(s) for which additional funds have not been allotted, pursuant to the clause entitled "Termination for Convenience of the Government."

(d) The parties contemplate that, subject to the availability of appropriations, the Government may allot additional funds for continued performance of the contract line items identified in paragraph (a) of this clause and will determine the estimated period of contract performance which will be covered by the funds. If additional funds are allotted, the Contracting Officer will notify the Contractor in writing. The Contractor shall not resume performance of the contract line items identified in paragraph (a) until the written notice is received. The provisions of paragraphs (b) through (d) of this clause will apply in like manner to the additional allotted funds and to the new estimated period of contract performance. The contract will be modified accordingly.

(e) The Government may, at any time prior to termination, allot additional funds for the performance of the contract line items identified in paragraph (a) of this clause.

(f) The termination provisions of this clause do not limit the rights of the Government under the clause entitled "Default". The provisions of this clause are limited to the work and allotment of funds for the contract line items set forth in paragraph (a) of this clause. This clause no longer applies once the contract is fully funded.

(g) Nothing in this clause affects the right of the Government to otherwise terminate this contract pursuant to the contract clause entitled "Termination for Convenience of the Government".

(h) The parties contemplate that the Government may obligate funds to this contract in accordance with the following schedule:

RECAPITULATION OF FUNDING TO DATE
CONTRACT NO. 68HERC21D0006
TASK ORDER NO. 68HERC23F0064

Period of Performance – 3/01/2023 through 2/29/2024

FUNDING ACTION	FUNDING
Total Line 0001 Amount	\$627,554.00
Initial Funding	\$50,000.00
Incremental Funding (P00001)	\$350,000.00
Balance Unfunded	\$227,554.00

SECTION F - Deliveries or Performance

F-1 Local Clauses EPA-F-12-101 PERIOD OF PERFORMANCE

The base period of performance of this Task Order period shall be from March 1, 2023 through February 29, 2024, inclusive of all required reports.

SECTION G - Contract Administration Data

G-1 Local Clauses EPA-G-42-101 CONTRACT ADMINISTRATION REPRESENTATIVES

Task Order-Level Contracting Officers Representatives (CORs)/Project Officers for this contract are as follows:

Ken Rotert, 202-564-5280, email: rotert.kenneth@epa.gov (TOCOR)

Ashley Greene, 202-566-1738, email: greene.ashley@epa.gov (Alternate TOCOR)

Contracting Officials responsible for administering this contract are as follows:

Keith Pfeffer, 513-487-2034, pfeffer.keith@epa.gov (Contracting Officer)

John Krauss, 513-487-2148, krauss.john@epa.gov (Contract Specialist)